

File 347:JAPIO Oct 1976-2003/Jul (Updated 031105)  
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 File 350:Derwent WPIX 1963-2003/UD,UM &UP=200373  
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 File 474:New York Times Abs 1969-2003/Nov 13  
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 File 475:Wall Street Journal Abs 1973-2003/Nov 13  
 (c) 2003 The New York Times  
 File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Oct  
 (c) 2003 The HW Wilson Co.  
 File 95:TEME-Technology & Management 1989-2003/Oct W4  
 (c) 2003 FIZ TECHNIK

Set	Items	Description
S1	1701079	SENSOR? ? OR DETECTOR? ?
S2	6321254	MEASUR? OR COUNT??? OR TALLY? OR ADD OR ADDING OR ADDED OR ADDITION OR ENUMERAT? OR TABULAT?
S3	292602	(VALUE OR VALUES OR AMOUNT? ? OR NUMBER? ? OR QUANTIT? OR - LEVEL? ?) (5N) (PROCESS OR PROCESSES OR TASK? ? OR OPERATION? ? OR PROGRAM? ?)
S4	2100465	CALCULAT? OR COMPUTES OR COMPUTATION? OR VALUAT?
S5	1871064	COST? ? OR FEES OR EXPENSE? ? OR CHARGES OR AMOUNT (2W) (CHARGED OR DUE)
S6	1731	S1(S) (S2(5N)S3)
S7	23949	(S4(5N)S5)
S8	0	S6(S)S7
S9	0	S6 AND S7
S10	19835	(S2(5N)S3)
S11	0	S1 AND S6 AND S7 AND S10
S12	95	S6 AND S5
S13	17	S4 AND S5 AND S6
S14	14	S13 FROM 347,350 /
S15	3	(S13 NOT S14) NOT PY>2001
S16	839	S1 AND S7
S17	169	S1(10N)S7
S18	94	S1(5N)S7
S19	94	S18 NOT S13
S20	40	S19 FROM 347,350
S21	35	S10 AND S7
S22	34	S21 NOT (S13 OR S18)
S23	13	S22 FROM 347,350
S24	75	(S19 OR S22) NOT (S20 OR S23)
S25	69	S24 NOT PY>2001
S26	69	S25 NOT PD>20010523
S27	57	RD (unique items)
S28	38	S6 AND (IC=(H04L? OR G01D-009/00 OR G06F-017/60) OR MC=(S0-2-K05 OR T06-A08))
S29	37	S28 NOT (S13 OR S18 OR S21 OR S24)
S30	636934	CUSTOMER? OR CONSUMER? OR PURCHASER? OR BUYER? OR ENDUSER? ? OR (END OR FINAL) (1W)USER? ?
S31	0	S6 AND (S5(5N)S30)
S32	0	S1 AND (S2(5N)S3), AND (S5(5N)S30)
S33	0	S1 AND S3 AND (S5(5N)S30)
S34	355	(S1 OR S3) AND (S5(5N)S30)

S35 193 (S1 OR (S2(5N)S3)) AND (S5(5N)S30)  
S36 193 S35 NOT (S13 OR S18 OR S21 OR S24 OR S28)  
S37 59 S36 FROM 347,350  
S38 114 (S36 NOT S37) NOT PD>2001052  
S39 94 ((S1 OR (S2(5N)S3))(S)(S5(5N)S30)) NOT S37  
S40 83 S39 NOT PD>2001052  
S41 73 RD (unique items)  
S42 27 ((S1 OR (S2(5N)S3))(10N)(S5(5N)S30)) NOT S37  
S43 24 S42 NOT PD>20010523  
S44 20 RD (unique items)  
S45 5 ((S1 OR S2)(5N)S3) AND (S5(3N)S30)

14/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07545854 \*\*Image available\*\*  
METHOD FOR DETECTING RESIDUAL QUANTITY OF INK AND INK JET RECORDER

PUB. NO.: 2003-039694 [JP 2003039694 A]  
PUBLISHED: February 13, 2003 (20030213)  
INVENTOR(s): MAEDA MASAO  
APPLICANT(s): CANON INC  
APPL. NO.: 2001-232919 [JP 20011232919]  
FILED: July 31, 2001 (20010731)

#### ABSTRACT

... of ink can be detected accurately up to a minute level through a convenient low **cost** arrangement employing a **sensor**.

SOLUTION: A relatively low **cost** **sensor** for detecting the quantity of ink lower than a specified level is combined with a **counter** C2 for holding the **quantity** of ink consumed through recording **operation**. When the **sensor** detects ink end (S301) indicative of the quantity of ink smaller than a specified level and a decision is made that the **sensor** detected ink in the previous operation (S302), the count of the counter C2 is employed as a threshold value T2 corresponding to the level (N) when the **sensor** detects ink end (S303), and the residual quantity L is **calculated** using that threshold value T2 in the next operation (S312).

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14/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07262577 \*\*Image available\*\*  
MEASURING DEVICE

PUB. NO.: 2002-131037 [JP 2002131037 A]  
PUBLISHED: May 09, 2002 (20020509)  
INVENTOR(s): KUWAYAMA KENJI  
MIURA KENZABURO  
APPLICANT(s): CITIZEN WATCH CO LTD  
KAWAGUCHIKO SEIMITSU CO LTD  
APPL. NO.: 2000-327566 [JP 2000327566]  
FILED: October 26, 2000 (20001026)

#### ABSTRACT

... BE SOLVED: To provide a measuring device capable of improving working efficiency and saving a **cost** by simply performing the automation of measurement and improving visibility.

SOLUTION: In the measuring device...

... measuring conditions can be registered by adding a register number, at least any one of **calculation** designation such as the sum and the difference of a plurality of displacement amounts detected by a plurality of **detectors** 1 and data holding designation such as the maximum value and the minimum value of the displacement amounts detected by the **detector** is included in the combination of the measuring condition. In this case, the register **number** can be designated by button **operation**, and **measurement** is performed in accordance with the measuring condition of the designated register number.

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14/3,K/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07171360 \*\*Image available\*\*  
ANGLE MEASURING DEVICE OF SURVEY INSTRUMENT

PUB. NO.: 2002-039746 [JP 2002039746 A]  
PUBLISHED: February 06, 2002 (20020206)  
INVENTOR(s): SAKURAI MASATOSHI  
YANAI TAKANORI  
TAJIMA TOMOYUKI  
APPLICANT(s): ASAHI PRECISION CO LTD  
APPL. NO.: 2000-219129 [JP 2000219129]  
FILED: July 19, 2000 (20000719)

#### ABSTRACT

... device of a survey instrument where a graduation position is surely detected with no dedicated **detector** required, for smaller size and reduced manufacturing **cost** .

SOLUTION: There are provided a **sensor** comprising a light-emitting part 2 and a light-receiving part 3 and a control...

... on the output signal from the light-receiving part 3, an interpolation amount is sequentially **calculated** to provide a rotational angle of a rotary encoder 1, for angle **measurement** through the interpolation **amount** . Here, an **operation** time period of the light-emitting part 2 is feedback-controlled according to the output...

14/3,K/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06072870 \*\*Image available\*\*  
NAVIGATION DEVICE

PUB. NO.: 11-014381 [JP 11014381 A]  
PUBLISHED: January 22, 1999 (19990122)  
INVENTOR(s): YUMURA TAKESHI  
APPLICANT(s): SANYO ELECTRIC CO LTD  
APPL. NO.: 09-166016 [JP 97166016]  
FILED: June 23, 1997 (19970623)

#### ABSTRACT

... information storing means 17. Next the distance from the current position to the destination is **calculated** by using the searched optimum route. In the fuel residual **quantity measuring process** , the residual **quantity** of fuel is **measured** according to a fuel **sensor** 14. In the fuel **cost** processing, the fuel consumption per unit running distance is **calculated** at every running for designated distance. Subsequently, it is discriminated whether running to the destination...

... the fuel residual quantity measured by the fuel residual quantity measuring processing, and the fuel **cost** measured by the fuel **cost** measuring processing. In the case where it is discriminated that fuel shortage occurs before reaching...

14/3,K/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05690225 \*\*Image available\*\*

METHOD FOR MEASURING DISTRIBUTION OF SPECIFIC CHARGE OF TONER

PUB. NO.: 09-305025 [JP 9305025 A]  
PUBLISHED: November 28, 1997 (19971128)  
INVENTOR(s): YAMADA TAKAYUKI  
MIYAMOTO YASUMASA  
KYOZUKA SHINYA  
NAKAMURA TAKESHI  
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-120171 [JP 96120171]  
FILED: May 15, 1996 (19960515)

ABSTRACT

PROBLEM TO BE SOLVED: To achieve low-**cost** incorporation into an image forming device and the measurement of not only the average specific...

... of the toner held on the photoreceptive drum 4 is measured by an optical-density **sensor** 10. Then, the surface potential  $V_{(sub 1)}$  of the toner held on the photoreceptive...

... 4 is measured by a surface electrometer 11. The specific charge of the toner is calculated from the **measurement values** obtained from the **processes**.

14/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO  
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05181835 \*\*Image available\*\*

IMAGE FORMING DEVICE

PUB. NO.: 08-137335 [JP 8137335 A]  
PUBLISHED: May 31, 1996 (19960531)  
INVENTOR(s): EBARA YASUHISA  
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 06-272293 [JP 94272293]  
FILED: November 07, 1994 (19941107)

ABSTRACT

PURPOSE: To prevent toner from overflowing without increasing the **cost**.

...CONSTITUTION: The device is provided with a CPU 207d for calculating the quantity of toner recovered by a cleaning unit per single image forming **operation** based on the **number of counted times** by a copied sheets counting part 203 for counting the number of times of an image forming operation and detection results obtained by a pressure plate opening/closing detection **sensor** 204a for detecting the opening/closing state of the pressure plate 204 for pressing an

14/3,K/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO  
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05165518 \*\*Image available\*\*

INSERTION PREVENTIVE DEVICE IN OPENING MECHANISM

PUB. NO.: 08-121018 [JP 8121018 A]  
PUBLISHED: May 14, 1996 (19960514)  
INVENTOR(s): KOYAMA HIROYUKI  
APPLICANT(s): NIPPON CABLE SYST INC [404268] (A Japanese Company or Corporation), JP (Japan)

ABSTRACT

PURPOSE: To save a space and reduce **cost** by detecting an open state of a plurality of opening mechanism and the presence of...

... motion of a motor M per motor M of each opening mechanism. Then, a position **detector** 18 detects the position of a windowpane by **counting** the pulses. Then, a mean **value** arithmetic **operation** unit 19 detects the interval of the pulses and **computes** the mean value while a comparison unit 20 compares a new detected pulse interval with...

14/3,K/8 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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012968018 \*\*Image available\*\*

WPI Acc No: 2000-139867/200013

XRAM Acc No: C00-043500

XRPX Acc No: N00-104615

**Water component interference compensation method in infrared gas analyser**  
- comprises computing interference amount of water component by coefficient computed from difference between upper and lower limit outputs of main and compensation detectors, to remove water component interference

Patent Assignee: HORIBA LTD (HORB )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000002657	A	20000107	JP 98181646	A	1998061	200013 B

Priority Applications (No Type Date): JP 98181646 A 19980612

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000002657	A	7		G01N-021/37	

...Abstract (Basic): NOVELTY - The interference of water component in measured gas to the gas analyzing **operation** is removed by computing the **amount** of interference of water component using a coefficient 'k' which is obtained from a formula...

...and 'c2' are the upper and lower limit values of the outputs of a main **detector** (4) and a compensation **detector** (5), respectively...

...Reduces the influence of water component interference in the gas analysis result. Simplifies the arithmetical **calculations** and the structure of the infrared gas analyzer and thereby reduces the manufacturing **cost**. Increases the reliability of the indication of the infrared gas analyzer by accurately removing the...

...Title Terms: COMPUTATION ;

14/3,K/9 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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012858987 \*\*Image available\*\*

WPI Acc No: 2000-030820/200003

XRPX Acc No: N00-023844

**Horizontal synchronizing signal frequency detection for microcomputer** used in controlling e.g. multi-scan cathode ray tube display monitor, liquid crystal display monitor - involves incrementing initial value setting at start of count operation of two counters, and repeatedly comparing count values of two counters until compared count values are in

accord

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11298823	A	19991029	JP 9897469	A	19980409	200003 B

Priority Applications (No Type Date): JP 9897469 A 19980409

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11298823	A	8		H04N-005/46	

...Abstract (Basic): NOVELTY - The method begins by starting the **operation** of two **counters**. The initial **value** setting at the start of the count operation of the two counters is incremented and...

...becomes a plus m. The frequency of the horizontal synchronizing signal, represented by fH, is **calculated** using the formula, fH is equal to m over the quantity n times Tf. An INDEPENDENT CLAIM is also included for the horizontal synchronizing signal frequency **detector**.

...

...ADVANTAGE - Detects horizontal synchronizing signal frequency with high precision. **Cost** -effective since horizontal synchronizing signal frequency can be detected with high precision by changing only

14/3,K/10 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011654022 \*\*Image available\*\*

WPI Acc No: 1998-070930/199807

XRAM Acc No: C98-023791

Filtration sewage disposal apparatus for dust collection installation for road tunnel - performs feed back control operation in order to measure sewage disposal time and judge input of filtration liquid for next sewage disposal time

Patent Assignee: MATSUSHITA SEIKO KK (MATK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9308807	A	19971202	JP 96126776	A	19960522	199807 B

Priority Applications (No Type Date): JP 96126776 A 19960522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9308807	A	6		B01D-037/02	

...Abstract (Basic): is supplied through a filtration pump (12) to a filter (13,14). A water quantity **detector** (16) detects the amount of waste water in the waste water tank. A memory unit...

...time. A control panel (18) controls the operation time of the filter assisting pump and **calculates** the amount of filtration liquid input. A feed forward control **operation** involving **measurement** of the amount of waste water in the waste water tank is carried out and the input of...

...ADVANTAGE - Reduces **cost** .

14/3,K/11 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010813505    \*\*Image available\*\*

WPI Acc No: 1996-310458/199632

XRPX Acc No: N96-260885

Measurement system with interchangeable sensor modules for scientific and technical instrumentation - where sensor module has associated memory store which contains sensor -dependent calibration data, which is used by evaluation electronics to process measurement values according to data

Patent Assignee: GEGAUF BERNINA NAEHMASCHAB AG FRITZ (GEGA-N); GEGAUF BERNINA NAEHMASCH AG F (GEGA-N)

Inventor: BUERKI H; HANGARTER O

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19547281	A1	19960704	DE 1047281	A	19951218	199632 B
CH 690202	A5	20000531	CH 943944	A	19941227	200031

Priority Applications (No Type Date): CH 943944 A 19941227

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19547281	A1	8		G01D-018/00	
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CH 690202	A5			G01R-035/00	
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Measurement system with interchangeable sensor modules for scientific and technical instrumentation...

...where sensor module has associated memory store which contains sensor -dependent calibration data, which is used by evaluation electronics to process measurement values according to data

...Abstract (Basic): measurement data from the sensor and its associated calibration data from the data store and calculates a calibrated measurement value. On exchanging measurement sensors, no change is necessary to the measurement...

...ADVANTAGE - Reduces work and cost in system calibration work, esp. when making differential measurements using pair of sensors, due to...

14/3,K/12    (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010746726    \*\*Image available\*\*

WPI Acc No: 1996-243681/199625

XRPX Acc No: N96-204349

Fuel remnants warning device for vehicle - has central processor which controls drive circuit to drive and carry out ON/OFF switching of fuel remnants warning light

Patent Assignee: SUZUKI KK (SUZM )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8096269	A	19960412	JP 94231564	A	19940927	199625 B

Priority Applications (No Type Date): JP 94231564 A 19940927

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 8096269	A	7		G08B-021/00	
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...Abstract (Basic): The device has a level sensor (12) which has a thermistor (14) arranged in a predetermined position in a fuel tank (11). A tachometer (21) computes the number of rotations of the engine of a vehicle based on the signal from...

...OFF switching of a fuel remnants warning light (19). The central processor repeats the same process when it counts the number of

ignition signals from the igniter and finds it to be below a predetermined value...

...ADVANTAGE - Reduces number of parts and hence cost .

14/3,K/13 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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010349327 \*\*Image available\*\*

WPI Acc No: 1995-250641/199533

XRPX Acc No: N95-194435

Speed control appts. of motor - has correction unit which corrects speed detection value from sample time, when speed samples are not updated

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7154990	A	19950616	JP 93321323	A	19931126	199533 B

Priority Applications (No Type Date): JP 93321323 A 19931126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7154990	A	6		H02P-005/00	

...Abstract (Basic): The speed control appts of a motor uses a periodic detector (1) to measure period of an encoder signal of the motor speed. A clock generator generates a clock signal to measure period of the encoder. By carrying out counting process, a number of counts are obtained and the speed is calculated by a calculation unit (2...).

...ADVANTAGE - Reduces cost of encoder. Avoids incorrect detection at time of low speeds rotation...

14/3,K/14 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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009425730 \*\*Image available\*\*

WPI Acc No: 1993-119246/199315

XRPX Acc No: N93-090975

Monitoring and locating faults in industrial process - using mathematical model of process to predict next state from previous state, and comparing prediction with measured state to detect error

Patent Assignee: SOLLAC SA (SOLL-N)

Inventor: DANDREA A; PHILIPPE D; PUISSANT A; RAGOT J; KIENER P

Number of Countries: 016 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 537041	A1	19930414	EP 92402560	A	19920917	199315 B
FR 2682208	A1	19930409	FR 9112323	A	19911007	199327
JP 5273002	A	19931022	JP 92268563	A	19921007	199347
EP 537041	B1	19960103	EP 92402560	A	19920917	199606
DE 69207325	E	19960215	DE 607325	A	19920917	199612
			EP 92402560	A	19920917	

Priority Applications (No Type Date): FR 9112323 A 19911007

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 537041	A1	F	10	G05B-009/02	

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL PT

SE

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL PT

SE

DE 69207325 E G05B-009/02 Based on patent EP 537041

FR 2682208 A1 G08B-029/00

JP 5273002 A G01D-021/00

...Abstract (Basic): Y0 to Yn). For each stage a mathematical model of the process is used to **calculate** the state of the product, based on the state before the process is activated...

...The **calculated** and actual states are compared, and if the difference is beyond an acceptable tolerance, an...

...ADVANTAGE - Simple, reliable fault detection that is easily installed at low **cost**, for use with industrial processes...

...Abstract (Equivalent): Method of checking the functioning of **sensors** and of locating faults in an industrial process comprising a sequence of elementary stepped P1...

...order to determine, in the event of a disagreement, a malfunction of at least one **sensor** and/or of at least one step of the **process** ; in that if the **measured values** of the parameters representative of the final state Yn of the product lie within the...

...tolerance brackets, and if the computed deviations are less than the corresponding tolerance thresholds, the **sensors** and the various steps of the process are regarded as functioning correctly; in that if...

...than the corresponding tolerance threshold, the malfunction is regarded as originating not from the corresponding **sensor**, but from one or more steps of the process; and in that if a computed deviation exceeds the corresponding tolerance threshold, either the corresponding **sensor** is regarded as functioning incorrectly, or a fault is regarded as affecting one or more...

15/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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03976341 INSPEC Abstract Number: B91064458

**Title: Reduced complexity symbol detectors with parallel structures**

Author(s): Erfanian, J.A.; Pasupathy, S.; Gulak, G.

Author Affiliation: Dept. of Electr. Eng., Toronto Univ., Ont., Canada

Conference Title: GLOBECOM '90: IEEE Global Telecommunications Conference and Exhibition. 'Communications: Connecting the Future' (Cat. No.90CH2827-4) p.704-8 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1990 Country of Publication: USA 3 vol. xxvii+2060 pp.

ISBN: 0 87942 632 2

U.S. Copyright Clearance Center Code: CH2827-4/91/0000-0704\$01.00

Conference Sponsor: IEEE

Conference Date: 2-5 Dec. 1990 Conference Location: San Diego, CA, USA

Language: English

Subfile: B

...Abstract: Through systematic reformulations of the algorithm, a number of simplifications are introduced that avoid the **computation** of exponentials and reduce the number of multiplications to be performed at the **expense** of introducing a comparable **number** of simple **operations** of **addition**, comparison, and table lookup, the result is shown to be a simplified parallel symbol (SPS) **detector**. A comparison of the SPS **detector** and Viterbi **detector** shows that the former achieves a slightly better performance at low SNR and the latter...

15/3,K/2 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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01478079 20010102962

**A demand driven control system for driverless trains**

(Ein bedarfsbetriebenes Steuerungssystem fuer fahrerlose Eisenbahnzuege)

Redpath, GJ

ISATA 2000, Automotive & Transportation Technol., Proc., Intelligent Transportation Systems - Surface Transportation, Dublin, IRL, Sep 25-27, 20002000

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 1-902856-11-2

ABSTRACT:

The system was designed in order to **calculate** the numbers of people waiting on train platforms, so as to more efficiently schedule the...

...the station (as the trains run at a constant speed this sets the frequency of **operation**). It works by **counting** the **numbers** of passengers entering and leaving the platform area. The system uses the PEDMON product, which...

...be at external entrances and exits, internal doorways and passageways, or any position where the **sensors** could be installed. The system has been installed for 3 years and paid back in...

...a second train system, with control for both systems centralized at one point. The system **cost** approximately 30,000 pounds, and saves the operator 120,000 pounds per annum.

...DESCRIPTORS: CONTROL SYSTEMS; DEMAND; RAILROAD STATIONS; HOLDING TIME; OBSERVATION; COUNTING; TESTING; MEASURING FEELERS; CASH RECOVERY PERIOD; COST REDUCTION

15/3, K/3 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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00517747 I91098633938

**Reduced complexity symbol detectors with parallel structures**  
(Implementierung eines Algorithmus fuer Symbolerkennung auf einer  
parallelen Feldstruktur)

Erfanian, JA; Pasupathy, S; Gulak, G

Dept. of Electr. Eng., Toronto Univ., Ont., Canada

GLOBECOM '90: IEEE Global Telecommunications Conference and Exhibition.

'Communications: Connecting the Future', 2-5 Dec. 1990, San Diego, CA, USA  
1990

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-87942-632-2

**ABSTRACT:**

...Through systematic reformulations of the algorithm, a number of simplifications are introduced that avoid the **computation** of exponentials and reduce the number of multiplications to be performed at the **expense** of introducing a comparable **number** of simple **operations** of **addition**, **comparison**, and **table lookup**, the result is shown to be a simplified parallel symbol (SPS) **detector**. A comparison of the SPS **detector** and Viterbi **detector** shows that the former achieves a slightly better performance at low SNR and the latter...

20/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06697442 \*\*Image available\*\*  
MOTOR DRIVE CONTROLLER FOR VEHICLE

PUB. NO.: 2000-283273 [JP 2000283273 A]  
PUBLISHED: October 13, 2000 (20001013)  
INVENTOR(s): MORIMOTO KAZUHIKO  
KOMATA YOSHIAKI  
APPLICANT(s): SUZUKI MOTOR CORP  
APPL. NO.: 11-092620 [JP 9992620]  
FILED: March 31, 1999 (19990331)

#### ABSTRACT

PROBLEM TO BE SOLVED: To judge a gear position using the minimum number of **sensors** so as to reduce **cost** by adding a function **calculating** a gear position by detection signals of a vehicle speed detection means and an engine...

20/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06096520 \*\*Image available\*\*  
ACCELERATION SENSOR

PUB. NO.: 11-038038 [JP 11038038 A]  
PUBLISHED: February 12, 1999 (19990212)  
INVENTOR(s): TORAYASHIKI OSAMU  
TAKAHASHI AYUMI  
APPLICANT(s): SUMITOMO PRECISION PROD CO LTD  
APPL. NO.: 09-208538 [JP 97208538]  
FILED: July 16, 1997 (19970716)

#### ABSTRACT

... To provide an acceleration sensor having a new structure and stable performance at a low **cost** by digitally **calculating** signals from electrodes with a **sensor** head having three fixed electrodes, and detecting the acceleration in three axial directions.

SOLUTION: A...

20/3,K/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05607243 \*\*Image available\*\*  
AMBIENT AIR TEMPERATURE CALCULATOR OF INTERNAL COMBUSTION ENGINE

PUB. NO.: 09-222043 [JP 9222043 A]  
PUBLISHED: August 26, 1997 (19970826)  
INVENTOR(s): UCHIKAWA AKIRA  
YOSHIZAWA KEITA  
APPLICANT(s): UNISIA JECS CORP [358427] (A Japanese Company or Corporation),  
, JP (Japan)  
APPL. NO.: 08-028352 [JP 9628352]  
FILED: February 16, 1996 (19960216)

#### ABSTRACT

PROBLEM TO BE SOLVED: To eliminate the necessity of a temperature **sensor** so as to reduce **costs** by **calculating** an ambient air temperature based on the mass flow rate equivalent value of sucked air...

20/3,K/4 (Item 4 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05471577 \*\*Image available\*\*  
FLUID PRESSURE CONTROL DEVICE

PUB. NO.: 09-086377 [JP 9086377 A]  
PUBLISHED: March 31, 1997 (19970331)  
INVENTOR(s): SAKANE SHINSUKE  
MISAKA YOSHIFUMI  
APPLICANT(s): AISIN SEIKI CO LTD [000001] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 07-247794 [JP 95247794]  
FILED: September 26, 1995 (19950926)

ABSTRACT

PROBLEM TO BE SOLVED: To make a high cost acceleration sensor unnecessary, by calculating the left side and the right side inferred body speeds, and the wheel speeds of...

20/3,K/5 (Item 5 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05282660 \*\*Image available\*\*  
FEE DISPLAY METHOD AND FEE DISPLAY DEVICE FOR ROTARY EATING COUNTER

PUB. NO.: 08-238160 [JP 8238160 A]  
PUBLISHED: September 17, 1996 (19960917)  
INVENTOR(s): TOKUNO NOBUO  
APPLICANT(s): NIPPON KURESENTO KK [488630] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 07-074467 [JP 9574467]  
FILED: March 06, 1995 (19950306)

ABSTRACT

... in advance, reading the ID mediums of the dishes consumed by customers with a reading sensor on the counter, and calculating, recording, and displaying the fees.

20/3,K/6 (Item 6 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04886515 \*\*Image available\*\*  
VEHICULAR AIR CONDITIONER

PUB. NO.: 07-179115 [JP 7179115 A]  
PUBLISHED: July 18, 1995 (19950718)  
INVENTOR(s): UMEKI SHINJI  
YAMAMURA TAKASHI  
KONDO TOSHIHIKO  
IWASE KATSUYOSHI  
IMAI HIDEKI  
APPLICANT(s): NIPPONDENSO CO LTD [000426] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 05-316981 [JP 93316981]  
FILED: December 16, 1993 (19931216)

ABSTRACT

PURPOSE: To eliminate external temperature sensor and external temperature calculating means so as to reduce costs by providing a external temperature signal outputting means corresponding to average external temperature preset for...

20/3,K/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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04616695 \*\*Image available\*\*

INDOOR TEMPERATURE SETTER FOR AIR CONDITIONER

PUB. NO.: 06-288595 [JP 6288595 A]

PUBLISHED: October 11, 1994 (19941011)

INVENTOR(s): HAMAZAKI SHOGO

MATSUBAYASHI SHIGEAKI

IWASAKI MASATAKA

APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)

MATSUSHITA SEIKO CO LTD [000624] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 04-115682 [JP 92115682]

FILED: May 08, 1992 (19920508)

JOURNAL: Section: , Section No. FFFFFF, Vol. 94, No. 10, Pg. FFFFFF, FF, FFFF (FFFFFF)

#### ABSTRACT

... means 7 from measured values, activity amount, wearing amount, sat temperature candidate of various indoor sensors 111-113. A running cost EL is calculated by air conditioning load calculating means 8 and cost calculating means 9 from measured values...

20/3,K/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

04548992 \*\*Image available\*\*

SLIP PREVENTING DEVICE FOR WHEEL TYPE CONSTRUCTION MACHINE

PUB. NO.: 06-220892 [JP 6220892 A]

PUBLISHED: August 09, 1994 (19940809)

INVENTOR(s): ARIMITSU HIDEO

EDA KENJI

TAJI HIROSHI

APPLICANT(s): KOBE STEEL LTD [000119] (A Japanese Company or Corporation), JP (Japan)

YUTANI HEAVY IND LTD [351607] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 05-011045 [JP 9311045]

FILED: January 26, 1993 (19930126)

JOURNAL: Section: M, Section No. 1702, Vol. 18, No. 592, Pg. 54, November 11, 1994 (19941111)

#### ABSTRACT

PURPOSE: To efficiently drive a wheel type construction machine by reducing a number of sensors so as to simplify the computation in order to reduce the cost while preventing a slip...

20/3,K/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

04304060 \*\*Image available\*\*

SLIP PREVENTIVE DEVICE OF WHEEL TYPE CONSTRUCTION MACHINE

PUB. NO.: 05-295760 [JP 5295760 A]  
PUBLISHED: November 09, 1993 (19931109)  
INVENTOR(s): ARIMITSU HIDEO  
              EDA KENJI  
              TAJI HIROSHI  
APPLICANT(s): KOBE STEEL LTD [000119] (A Japanese Company or Corporation),  
              JP (Japan)  
              YUTANI HEAVY IND LTD [351607] (A Japanese Company or  
              Corporation), JP (Japan)  
APPL. NO.: 04-097806 [JP 9297806]  
FILED: April 17, 1992 (19920417)  
JOURNAL: Section: M, Section No. 1559, Vol. 18, No. 87, Pg. 113,  
              February 14, 1994 (19940214)

ABSTRACT

...To establish effective operation of a wheel type construction machine by  
lessening the number of **sensors**, simplifying the **computational**  
processing for suppression of the **cost**, and preventing slippage of  
wheels...

20/3,K/10 (Item 10 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03682700 \*\*Image available\*\*  
HOWLING DETECTOR

PUB. NO.: 04-047800 [JP 4047800 A]  
PUBLISHED: February 17, 1992 (19920217)  
INVENTOR(s): FURUKAWA HIROMOTO  
              KANAMORI TAKEO  
              IBARAKI SATORU  
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company  
              or Corporation), JP (Japan)  
APPL. NO.: 02-156886 [JP 90156886]  
FILED: June 14, 1990 (19900614)  
JOURNAL: Section: E, Section No. 1210, Vol. 16, No. 236, Pg. 56, May  
              29, 1992 (19920529)

ABSTRACT

PURPOSE: To realize the howling **detector** with small hardware scale, low  
cost and high detection accuracy by calculating a short period average  
of an absolute value of the output of a differential arithmetic...

20/3,K/11 (Item 11 from file: 347)  
DIALOG(R)File 347:JAPIO  
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03513371 \*\*Image available\*\*  
MOTOR-DRIVEN POWER STEERING DEVICE

PUB. NO.: 03-176271 [JP 3176271 A]  
PUBLISHED: July 31, 1991 (19910731)  
INVENTOR(s): OKAMURA AKIO  
APPLICANT(s): OMRON CORP [000294] (A Japanese Company or Corporation), JP  
              (Japan)  
APPL. NO.: 01-314344 [JP 89314344]  
FILED: December 05, 1989 (19891205)  
JOURNAL: Section: M, Section No. 1172, Vol. 15, No. 416, Pg. 138,  
              October 23, 1991 (19911023)

ABSTRACT

PURPOSE: To eliminate use of any acceleration sensor, steering angle sensor , etc. and suppress the costs by calculating at least one of the rotational angle position of a motor, its revolving speed, and...

20/3,K/12 (Item 12 from file: 347)

DIALOG(R)File 347:JAPIO

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03429667 \*\*Image available\*\*

THROTTLE OPENING CALCULATING METHOD

PUB. NO.: 03-092567 [JP 3092567 A]

PUBLISHED: April 17, 1991 (19910417)

INVENTOR(s): SEKOZAWA TERUJI

TAKAHASHI SHINSUKE

SHIOTANI MAKOTO

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 01-230230 [JP 89230230]

FILED: September 05, 1989 (19890905)

JOURNAL: Section: M, Section No. 1134, Vol. 15, No. 272, Pg. 87, July 10, 1991 (19910710)

ABSTRACT

PURPOSE: To dispense with a throttle opening sensor and reduce the cost by calculating the throttle opening required for transmission control or suspension control based on outputs of an...

20/3,K/13 (Item 13 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

02550150 \*\*Image available\*\*

OXYGEN CONCENTRATION DETECTING DEVICE FOR INTERNAL COMBUSTION ENGINE

PUB. NO.: 63-167050 [JP 63167050 A]

PUBLISHED: July 11, 1988 (19880711)

INVENTOR(s): SAWADA NAOMI

AOKI NORINAO

APPLICANT(s): SUZUKI MOTOR CO LTD [000208] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 61-309264 [JP 86309264]

FILED: December 27, 1986 (19861227)

JOURNAL: Section: M, Section No. 764, Vol. 12, No. 434, Pg. 8, November 16, 1988 (19881116)

ABSTRACT

PURPOSE: To eliminate an expensive oxygen sensor and reduce the cost , by calculating an oxygen concentration according to an output signal from a fuel injection quantity deciding section...

20/3,K/14 (Item 14 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

01868014 \*\*Image available\*\*

ESTIMATED RUN DISTANCE TRIP METER

PUB. NO.: 61-082114 [JP 61082114 A]

PUBLISHED: April 25, 1986 (19860425)

INVENTOR(s): KOSUGE YUTAKA

HIRAKATA YOSHIAKI

KOBAYASHI HISATAKA

YONEYAMA MASAYA  
APPLICANT(s): HONDA MOTOR CO LTD [000532] (A Japanese Company or Corporation), JP (Japan)  
NIPPON SEIKI CO LTD [352290] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 59-201058 [JP 84201058]  
FILED: September 25, 1984 (19840925)  
JOURNAL: Section: P, Section No. 492, Vol. 10, No. 254, Pg. 154, August 30, 1986 (19860830)

ABSTRACT

... signal to the arithmetic circuit 4. This arithmetic circuit 4 uses the signal from the **sensor** 1 for run distance to **calculate** the fuel **cost** from the fuel consumption obtained from the sensor 5. Then, the arithmetic circuit 4 compares...

20/3,K/15 (Item 15 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

01775315 \*\*Image available\*\*  
TRAVELLING COST DISPLAY METER

PUB. NO.: 60-253815 [JP 60253815 A]  
PUBLISHED: December 14, 1985 (19851214)  
INVENTOR(s): SHIBUYA MASATOSHI  
APPLICANT(s): ISUZU MOTORS LTD [000017] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 59-108560 [JP 84108560]  
FILED: May 30, 1984 (19840530)  
JOURNAL: Section: P, Section No. 455, Vol. 10, No. 127, Pg. 146, May 13, 1986 (19860513)

ABSTRACT

... input part 4 of the number of passengers are inputted to CPU5 and running fuel **cost** is **calculated** from the signals of the **sensors** 1, 2, 3 while a car speed is calculated from the signals of the sensors...

20/3,K/16 (Item 16 from file: 347)  
DIALOG(R)File 347:JAPIO  
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01415882 \*\*Image available\*\*  
AUTOMATIC FOCUSING DEVICE OF VIDEO CAMERA

PUB. NO.: 59-127482 [JP 59127482 A]  
PUBLISHED: July 23, 1984 (19840723)  
INVENTOR(s): URATA SHINJI  
MORITA HIDEO  
HIROBE HITOSHI  
APPLICANT(s): ASAHI OPTICAL CO LTD [350041] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 58-001752 [JP 831752]  
FILED: January 11, 1983 (19830111)  
JOURNAL: Section: E, Section No. 279, Vol. 08, No. 250, Pg. 147, November 16, 1984 (19841116)

ABSTRACT

...to the image pickup surface of an mage pickup device 6. The accumulation amount of **charges** of the **sensor** 7 is **calculated** for a specific time by an out-of-focus amount arithmetic circuit 9 and made...

20/3,K/17 (Item 17 from file: 347)

DIALOG(R)File 347:JAPIO  
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01181515 \*\*Image available\*\*  
CALCULATING DEVICE OF FUEL COST OF VEHICLE

PUB. NO.: 58-118915 [JP 58118915 A]  
PUBLISHED: July 15, 1983 (19830715)  
INVENTOR(s): HORIKOSHI SHIGERU  
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 57-001810 [JP 821810]  
FILED: January 11, 1982 (19820111)  
JOURNAL: Section: P, Section No. 229, Vol. 07, No. 231, Pg. 33,  
October 13, 1983 (19831013)

ABSTRACT

...past N- pulses arithmetically together with traveling distances at every one pulse of a flow sensor and calculating fuel costs .

20/3,K/18 (Item 18 from file: 347)

DIALOG(R)File 347:JAPIO  
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00489953  
WINDING DIAMETER DETECTOR FOR WINDER

PUB. NO.: 54-141953 [JP 54141953 A]  
PUBLISHED: November 05, 1979 (19791105)  
INVENTOR(s): MATSUMOTO TATSURO  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 53-049339 [JP 7849339]  
FILED: April 27, 1978 (19780427)  
JOURNAL: Section: M, Section No. 88, Vol. 04, No. 6, Pg. 30, January  
18, 1980 (19800118)

ABSTRACT

PURPOSE: To provide a winding diameter detector of low cost but high reliability which calculates the decrease in the winding diameter of an unwinder from the measured values of rotational...

20/3,K/19 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015196283 \*\*Image available\*\*  
WPI Acc No: 2003-256819/200325  
XRPX Acc No: N03-203669

Resonance frequency detection apparatus processes sweep signal frequency and operation detection signal of machine, to output sweep signal frequency as resonant frequency when detection signal reaches maximum value

Patent Assignee: YASKAWA ELECTRIC CORP (YASW ); YASKAWA DENKI KK (YASW )  
Inventor: HAMASUNA K; KOMIYA T; ONITSUKA T

Number of Countries: 022 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200317459	A1	20030227	WO 2002JP6026	A	20020617	200325 B
JP 2003134868	A	20030509	JP 2002111581	A	20020415	200339

Priority Applications (No Type Date): JP 2002111581 A 20020415; JP  
2001247876 A 20010817

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200317459 A1 J 20 H02P-005/00

Designated States (National): KR US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE TR

JP 2003134868 A 7 H02P-005/00

Abstract (Basic):

... Calculates resonance frequency at high speed using simple calculation and the cost of the resonance frequency detector is reduced...

20/3,K/20 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015062926 \*\*Image available\*\*

WPI Acc No: 2003-123442/200312

XRPX Acc No: N03-098306

Focus detector for camera, calculates focus detection based on charges stored depending on effectiveness and ineffective brightness of photographed image

Patent Assignee: NIKON CORP (NIKR )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002287014	A	20021003	JP 200192108	A	20010328	200312 B

Priority Applications (No Type Date): JP 200192108 A 20010328

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2002287014 A 10 G02B-007/28

Focus detector for camera, calculates focus detection based on charges stored depending on effectiveness and ineffective brightness of photographed image

20/3,K/21 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014925582 \*\*Image available\*\*

WPI Acc No: 2002-746289/200281

XRPX Acc No: N02-588160

Game apparatus e.g. race game apparatus obtains position information of self-driven unit from code information of radio frequency identification tags extracted from signal received by antenna from tags

Patent Assignee: KONAMI KK (KONA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002306831	A	20021022	JP 2001112820	A	20010411	200281 B

Priority Applications (No Type Date): JP 2001112820 A 20010411

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2002306831 A 7 A63F-009/14

Abstract (Basic):

... detection of position of the self-driven object, simplifies information processing operation and reduces manufacturing cost of the position detector. Enables calculating the movement direction of the self-driven unit easily and controlling the driving path of...

20/3,K/22 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013984303 \*\*Image available\*\*

WPI Acc No: 2001-468517/200151

XRPX Acc No: N01-347522

Power steering system for vehicles, has controller which corrects set control variable for steering assistance based on value change of steering correction amount

Patent Assignee: MAZDA KK (MAZD )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001163236	A	20010619	JP 200080355	A	20000322	200151 B

Priority Applications (No Type Date): JP 99274619 A 19990928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001163236	A	23		B62D-006/00	

Abstract (Basic):

... An amount detector calculates a value of steering correction amount due to the reaction force of a driver to oppose a steering assistance control. A control...

20/3,K/23 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013463025 \*\*Image available\*\*

WPI Acc No: 2000-634968/200061

XRPX Acc No: N00-470987

Electric power converter used in switching system, has auxiliary control circuit that forms control signal for ON and OFF states of software switching transistors using inductor of DC circuit

Patent Assignee: SANKEN DENKI KK (SANK-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000262066	A	20000922	JP 9960176	A	19990308	200061 B
JP 3298625	B2	20020702	JP 9960176	A	19990308	200246

Priority Applications (No Type Date): JP 9960176 A 19990308

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000262066	A	17		H02M-007/48	
JP 3298625	B2	16		H02M-007/48	Previous Publ. patent JP 2000262066

Abstract (Basic):

... to reduced switching loss and noise, and suppressed peak magnitude of current flowing in inductor. Cost -effective since high-speed detector, calculating circuit and controller are not needed. Has simple circuitry for forming control signal for each...

20/3,K/24 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013234393 \*\*Image available\*\*

WPI Acc No: 2000-406267/200035

XRPX Acc No: N00-304653

Movement control apparatus for vehicle, estimates cornering power of front and rear wheels by differential process based on detected lateral acceleration

Patent Assignee: KUMAMOTO H (KUMA-I); SUMITOMO ELECTRIC IND CO (SUME )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000142362	A	20000523	JP 98328030	A	19981118	200035 B

Priority Applications (No Type Date): JP 98328030 A 19981118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000142362	A	8		B60T-008/58	

Abstract (Basic):

... estimation of accurate cornering power by using differential process. Removes error for side slip angle calculation accurately. Reduces cost by reducing number of sensors .

20/3, K/25 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013177611 \*\*Image available\*\*

WPI Acc No: 2000-349484/200030

XRPX Acc No: N00-261832

Multi-target tracking method for aircraft, involves using permutation formed from sensor reports, to construct hypothesis to which specific value is assigned, good hypothesis is searched using genetic algorithm

Patent Assignee: US SEC OF ARMY (USSA )

Inventor: HILLIS D B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6055523	A	20000425	US 97903197	A	19970715	200030 B

Priority Applications (No Type Date): US 97903197 A 19970715

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6055523	A	6		G06F-015/18	

Abstract (Basic):

... cost of assigning sensor report to already formed track or start of new track is calculated . Then assigning lowest cost for sensor reports until all reports are assigned to tracks. An INDEPENDENT CLAIM is also included for...

20/3, K/26 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012938926 \*\*Image available\*\*

WPI Acc No: 2000-110774/200010

XRPX Acc No: N00-085151

Remnant ink calculator in inkjet printer connected to personal computer

Patent Assignee: RICOH KK (RICO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11348317	A	19991221	JP 98179729	A	19980611	200010 B

Priority Applications (No Type Date): JP 98179729 A 19980611

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 11348317 A 11 B41J-002/175

Abstract (Basic):

... No need of **sensor** for calculating remaining ink, therefore cost reduction is achieved...

20/3,K/27 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

012818050 \*\*Image available\*\*

WPI Acc No: 1999-624281/199954

XRPX Acc No: N99-461026

Optimum path selection system for vehicle navigation - calculates cost required by traveling through various path using information stored in run record keeping unit, based on which optimal path is selected

Patent Assignee: FUJITSU LTD (FUIT )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11272983	A	19991008	JP 9869673	A	19980319	199954 B

Priority Applications (No Type Date): JP 9869673 A 19980319

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11272983 A 10 G08G-001/00

...Abstract (Basic): clock (12) and sensor (11) which detect run time between certain points. A processor (13) computes cost data based on signal from **sensor** and stores the calculated value in cost database (15). An optimal path selector (21) chooses the path having minimum running cost for...

20/3,K/28 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012726313 \*\*Image available\*\*

WPI Acc No: 1999-532426/199945

XRPX Acc No: N99-395146

Rotating angle detector for engine of motor vehicle - has OR circuit to output diagnostic signal based on result from judging units

Patent Assignee: UNISIA JECS CORP (NIEJ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11230711	A	19990827	JP 9842904	A	19980209	199945 B

Priority Applications (No Type Date): JP 9842904 A 19980209

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 11230711 A 10 G01B-007/30

...Abstract (Basic): ADVANTAGE - Avoids need for providing two detectors including rotating angle calculators, thereby reduces manufacturing cost. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of calculator. (10,11) Hall elements...

20/3,K/29 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012127116 \*\*Image available\*\*

WPI Acc No: 1998-544028/199847

XRPX Acc No: N98-423559

Heat consumption measurement and control unit for individual radiator, etc. - has sensors to measure inlet and outlet temperatures and pressure across valve and has microprocessor connected to sensors to control valve

Patent Assignee: RAAB KARCHER ENERGY SERVICES GMBH (RAAB-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29710248	U1	19981015	DE 97U2010248	U	19970612	199847 B

Priority Applications (No Type Date): DE 97U2010248 U 19970612

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 29710248	U1	10		G01K-017/10	

...Abstract (Basic): valve control device receives signals from a delivery temperature sensor (7) and a return temperature sensor to calculate heat cost distribution or measure heat consumption...

20/3,K/30 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011411324 \*\*Image available\*\*

WPI Acc No: 1997-389231/199736

XRPX Acc No: N97-324029

Automatic lifting operation stopping device for hydraulic elevation machine e.g. forklift - has CPU to set best deceleration beginning position and amount of deceleration to set point according to guessed value of load required to operate lift cylinder by regulating its motor controller or control valve driving circuit

Patent Assignee: SUMITOMO AIL KK (SUMI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9169498	A	19970630	JP 95335379	A	19951222	199736 B

Priority Applications (No Type Date): JP 95335379 A 19951222

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9169498	A	7			

...Abstract (Basic): ADVANTAGE - Provides satisfactory automatic lifting stop control due to concise calculation procedure. Reduces cost of structure because attachment of sensor piece is not needed...

20/3,K/31 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011313711 \*\*Image available\*\*

WPI Acc No: 1997-291615/199727

XRPX Acc No: N97-241329

Smear data removal circuit for pieces of image data - gives matrix store of pieces of accumulated data row by row, arranged to indicate quantity of information charges for use in subtraction circuit, with coefficient preset based on storage time for information charges in light receive bits

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL )

Inventor: HIGASHITSUTSUMI Y; NAKAKUKI T; TAKAHASHI T; NAKA T; TOTEI Y

Number of Countries: 007 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 777380	A1	19970604	EP 96118962	A	19961127	199727 B
JP 9154064	A	19970610	JP 95311381	A	19951129	199733
JP 9270957	A	19971014	JP 9676817	A	19960329	199751
KR 97031852	A	19970626	KR 9658718	A	19961128	199828
TW 327265	A	19980221	TW 96110495	A	19960829	199830
JP 3157455	B2	20010416	JP 9676817	A	19960329	200124

Priority Applications (No Type Date): JP 9676817 A 19960329; JP 95311381 A 19951129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 777380	A1	E	23	H04N-005/217	
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Designated States (Regional): DE FR GB NL

JP 9154064	A	10		H04N-005/335	
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JP 9270957	A	13		H04N-005/335	
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KR 97031852	A			H04N-005/335	
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TW 327265	A			H04N-005/335	
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JP 3157455	B2	12		H04N-005/335	Previous Publ. patent JP 9270957
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...Abstract (Basic): USE - For calculating quantity of smear charges in solid state image sensor which are generated during vertical transfer of information charge packet, to remove smear component from...

20/3,K/32 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011111578 \*\*Image available\*\*

WPI Acc No: 1997-089503/199709

XRPX Acc No: N97-073598

Coin discriminating apparatus for coin wrapping equipment - has magnetic sensor with oscillating inductor and receiving inductor formed of several tip like inductors perpendicular to coin passage

Patent Assignee: LAUREL BANK MACHINE CO LTD (LAUB ); LAUREL BANK MACHINE KK (LAUB )

Inventor: FURUYA K

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 755030	A2	19970122	EP 96110693	A	19960702	199709 B
JP 9035113	A	19970207	JP 95179875	A	19950717	199716
TW 297891	A	19970211	TW 96107755	A	19960627	199721
KR 97007730	A	19970221	KR 9627319	A	19960706	199811
US 5743372	A	19980428	US 96678537	A	19960705	199824
CN 1142643	A	19970212	CN 96110282	A	19960716	200050
EP 755030	B1	20011219	EP 96110693	A	19960702	200206
DE 69618098	E	20020131	DE 618098	A	19960702	200216
			EP 96110693	A	19960702	
JP 3272573	B2	20020408	JP 95179875	A	19950717	200227

Priority Applications (No Type Date): JP 95179875 A 19950717

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 755030	A2	E	11	G07D-005/08	
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Designated States (Regional): DE FR GB

JP 9035113	A	7		G07D-005/08	
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TW 297891	A			G07D-005/08	
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KR 97007730	A			G07D-003/00	
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US 5743372	A	10		G07D-005/08	
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CN 1142643	A			G07D-005/08	
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EP 755030	B1	E		G07D-005/08	
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Designated States (Regional): DE FR GB

DE 69618098	E		G07D-005/08	Based on patent EP 755030	
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JP 3272573	B2	7	G07D-005/08	Previous Publ. patent JP 9035113	
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...Abstract (Basic): High accuracy is obtained in determining coin denomination and acceptability due to use of magnetic **sensor**, with low **cost** and making shorter **calculations**.

20/3,K/33 (Item 15 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010989444 \*\*Image available\*\*  
WPI Acc No: 1996-486393/199649

XRPX Acc No: N96-409787

Print colour determination for offset printer - sets control signals for colouring arrangement from comparison of nominal colour space values defined in user space, and actual colour space values measured on printed material

Patent Assignee: HEIDELBERGER DRUCKMASCHINEN AG (HEIC )

Inventor: KISTLER B; PFEIFFER N; SCHNEIDER M

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19515499	A1	19961031	DE 1015499	A	19950427	199649 B
DE 19515499	C2	19970306	DE 1015499	A	19950427	199714
US 5791251	A	19980811	US 96639423	A	19960429	199839

Priority Applications (No Type Date): DE 1015499 A 19950427

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19515499	A1	6		B41F-033/10	
DE 19515499	C2	8		B41F-033/10	
US 5791251	A			B41F-031/00	

...Abstract (Basic): USE/ADVANTAGE - For polychrome print machines. Reduces calculation expense and number of colour **sensors** needed. Enables increase in dynamic range of regulation...

20/3,K/34 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010450964 \*\*Image available\*\*

WPI Acc No: 1995-352282/199546

XRPX Acc No: N95-262637

Vehicle braking force regulation according to deviation of actual wheelslip - involves obtaining set-point value of slip from measured and differentiated wheel speeds in relation to road speed and curvature.

Patent Assignee: MERCEDES-BENZ AG (DAIM ) ; DAIMLER-BENZ AG (DAIM )

Inventor: AMMON D; BOESCH P; LAUBACHER E; STEINER M; BOSCH P; LAUBACHER K

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4418772	C1	19951019	DE 4418772	A	19940528	199546 B
GB 2289731	A	19951129	GB 9510290	A	19950522	199551
FR 2720359	A1	19951201	FR 956207	A	19950524	199604
JP 7329750	A	19951219	JP 95162740	A	19950526	199608
US 5556176	A	19960917	US 95452532	A	19950530	199643
GB 2289731	B	19981111	GB 9510290	A	19950522	199847

Priority Applications (No Type Date): DE 4418772 A 19940528

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4418772	C1	8		B60T-008/60	
GB 2289731	A	15		B60T-008/66	

JP 7329750 A 7 B60T-008/58  
US 5556176 A 9 B60T-008/32  
FR 2720359 A1 B60T-008/66  
GB 2289731 B B60T-008/66

...Abstract (Basic): ADVANTAGE - Stable or neutral ride is guaranteed without recourse to additional sensors or high computational cost

1.

20/3,K/35 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

008971130 \*\*Image available\*\*  
WPI Acc No: 1992-098399/199213

XRPX Acc No: N92-073667

Thermal sensitivity calculation method - using radiant temp. air temp., air velocity, relative humidity, saturated water vapour pressure and clothing thermal resistance

Patent Assignee: YAMATAKE HONEYWELL CO LTD (HONF )

Inventor: KON A

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 476692	A	19920325	EP 91116043	A	19910920	199213 B
EP 476692	A3	19920819	EP 91116043	A	19910920	199337
US 5436852	A	19950725	US 91762584	A	19910919	199535
			US 92976480	A	19921116	
			US 94310930	A	19940922	
EP 476692	B1	19961211	EP 91116043	A	19910920	199703
DE 69123527	E	19970123	DE 623527	A	19910920	199709
			EP 91116043	A	19910920	

Priority Applications (No Type Date): JP 90250008 A 19900921

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 476692	A		13		
US 5436852	A		17	G01K-013/00	CIP of application US 91762584 Cont of application US 92976480

EP 476692 B1 E 13 G01W-001/17

Designated States (Regional): DE DK FR GB

DE 69123527 E G01W-001/17 Based on patent EP 476692

...Abstract (Basic): USE/ADVANTAGE - PMV sensor for building air conditioning. Reduced cost since sensitivity can be calculated by fair operations that can be performed by op-amp or microcomputer. Reduced processing time...

1.

20/3,K/36 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

008711333 \*\*Image available\*\*

WPI Acc No: 1991-215354/199129

XRPX Acc No: N91-164371

Computerised coin operated parking meter system - has parking meters with supersonic metal sensors to register time and fees

Patent Assignee: WONG E Y (WONG-I)

Inventor: WONG E Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5029094	A	19910702	US 89383724	A	19890724	199129 B

Priority Applications (No Type Date): US 89383724 A 19890724

...Abstract (Basic): and a number of parking meters. Each parking meter is provided with a supersonic metal **sensor** to register parking time, to calculate parking **fees** and to automatically detect whether a specified parking space is available for a car where...

20/3,K/37 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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008219572 \*\*Image available\*\*

WPI Acc No: 1990-106573/199014

XRPX Acc No: N90-082471

**Transport system passenger fare payment monitor - includes unit for calculating cost of journey and block of sensors with interrogation unit**

Patent Assignee: VORON POLY (VOPO- )

Inventor: AZARNYKH A I; KUSHCHENKO V A; LEIKIN M A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1509962	A	19890923	SU 4395659	A	19880128	199014 B

Priority Applications (No Type Date): SU 4395659 A 19880128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 1509962	A	9			

... includes unit for calculating cost of journey and block of sensors with interrogation unit

20/3,K/38 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

003286034

WPI Acc No: 1982-D4045E/198212

**Postage cost recording system - has feed sensor, cost calculating computer and adjustable cost meter associated with printer**

Patent Assignee: BELL & HOWELL CO (BELH )

Inventor: EGGERT C A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4319328	A	19820309			198212	B

Priority Applications (No Type Date): US 80125099 A 19800227

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 4319328	A	11			

... has feed sensor, cost calculating computer and adjustable cost meter associated with printer

20/3,K/39 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003108459

WPI Acc No: 1981-L8507D/198146

**Minimum cost radial network centre optimiser - feeds TV camera image of**

map to video control to refine result of optimisation in e.g. design of computer network

Patent Assignee: KHOLIN A V (KHOL-I)

Inventor: GERASIMOV N A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 798877	B	19810125			198146	B

Priority Applications (No Type Date): SU 2653837 A 19780810

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SU 798877	B		4		

...Abstract (Basic): map. The camera image of the map is fed to the video-control and nodes **detector**. Cost data are entered in the **calculator** per unit of length of each radial line in respect of numbered nodes. The result...

20/3,K/40 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

003006025

WPI Acc No: 1981-A6028D/198104

Telephone call charge calculator - inductively senses charge pulse trains on phone line, measures total duration and calculated cost accordingly

Patent Assignee: UNEX SA (UNEX-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2452834	A	19801128			198104	B

Priority Applications (No Type Date): FR 797996 A 19790330

...Abstract (Basic): A device for calculating telephone call charges comprises an inductive **sensor** (11) with an air gap receiving the telephone link cable, a preamplifier (A1), amplifier (22...

23/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

06780473 \*\*Image available\*\*  
METHOD FOR EVALUATING COLOR IMAGE QUALITY

PUB. NO.: 2001-007949 [JP 2001007949 A]  
PUBLISHED: January 12, 2001 (20010112)  
INVENTOR(s): IMAGAWA SUSUMU  
APPLICANT(s): RICOH CO LTD  
APPL. NO.: 11-173011 [JP 99173011]  
FILED: June 18, 1999 (19990618)

ABSTRACT

... execute evaluation of relative deviation of each color in a color image at a low cost and a high-speed by calculating the shift in images by each color material so as to evaluate the image quality...

... between a version shift and color information, and this expression of relations is generated through quantitative measurement of process deviation of a document such as a gazette and measurement of color information using a...

23/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04908077 \*\*Image available\*\*  
DATA RETRIEVAL METHOD FOR MAN-HOUR INFORMATION

PUB. NO.: 07-200677 [JP 7200677 A]  
PUBLISHED: August 04, 1995 (19950804)  
INVENTOR(s): NAGAOKA MASAO  
APPLICANT(s): HONDA MOTOR CO LTD [000532] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 05-335155 [JP 93335155]  
FILED: December 28, 1993 (19931228)

ABSTRACT

... of a factory from operation information indicating respective operation procedures and man-hour information for calculating a production cost and performing management based on the operation procedures, element operation records are formed by adding classification information for classifying the process information and order numbers based on the operation procedures to the process information, the classification information is provided with function sections which are...

23/3,K/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

04352472 \*\*Image available\*\*  
FREQUENCY OFFSET COMPENSATING SYSTEM

PUB. NO.: 05-344172 [JP 5344172 A]  
PUBLISHED: December 24, 1993 (19931224)  
INVENTOR(s): ISHIKAWA HIROYASU  
KOBAYASHI HIDEO  
APPLICANT(s): KOKUSAI DENSHIN DENWA CO LTD <KDD> [000121] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-168217 [JP 92168217]  
FILED: June 04, 1992 (19920604)  
JOURNAL: Section: E, Section No. 1530, Vol. 18, No. 174, Pg. 164,

March 24, 1994 (19940324)

ABSTRACT

...optimum sampling point is inputted to a phase compensation circuit 8 and after performing the **adding operation** of an N-multiplied number over N symbols (N is an arbitrary integer), the estimated value of the phase rotation **amount** due to frequency offset is **calculated**. In this case, the N symbols are used for estimating the phase rotation caused by...

23/3,K/4 (Item 4 from file: 347)

DIALOG(R) File 347:JAPIO

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03516538 \*\*Image available\*\*

CAMERA CAPABLE OF STEREOPHOTOGRAPHY

PUB. NO.: 03-179438 [JP 3179438 A]

PUBLISHED: August 05, 1991 (19910805)

INVENTOR(s): WADA SHIGERU

APPLICANT(s): MINOLTA CAMERA CO LTD [000607] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 01-319340 [JP 89319340]

FILED: December 08, 1989 (19891208)

JOURNAL: Section: P, Section No. 1271, Vol. 15, No. 433, Pg. 15, November 05, 1991 (19911105)

ABSTRACT

PURPOSE: To enable stereophotography at low **cost** with simple constitution by **calculating** a trimming frame movement quantity by an adapter from the distance between two cameras and...

... 2 and 3. The microcomputer .mu.com1 of the adapter performs light measuring and distance **measuring** operation, trimming magnification calculating **operation** , trimming frame movement **quantity** calculating **operation** , etc., when stereophotography is decided. The trimming frame movement quantity and desired set trimming magnification...

23/3,K/5 (Item 5 from file: 347)

DIALOG(R) File 347:JAPIO

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02904033 \*\*Image available\*\*

FOCUS CORRECTING DEVICE FOR CAMERA WITH ZOOM LENS

PUB. NO.: 01-201633 [JP 1201633 A]

PUBLISHED: August 14, 1989 (19890814)

INVENTOR(s): MIYAZAWA AZUMA

NAKAZAWA KOJI

APPLICANT(s): OLYMPUS OPTICAL CO LTD [000037] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 63-026934 [JP 8826934]

FILED: February 08, 1988 (19880208)

JOURNAL: Section: P, Section No. 958, Vol. 13, No. 502, Pg. 36, November 13, 1989 (19891113)

ABSTRACT

... means 1 and set focal distance information. On the other hand, the difference to a **calculated** moving **amount** generated due to the fluctuation of a lens parts dimension is stored in a storage means 2...

... to interpolating operation by the arithmetic means 3. Subsequently, based on the final moving amount **adding** the **value** brought to interpolating **operation** , to the moving **amount** from the reference position which has been calculated, the focusing lens is driven by a...

23/3,K/6 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014896032 \*\*Image available\*\*

WPI Acc No: 2002-716738/200278

XRPX Acc No: N02-565489

Optimum process condition determination method for CNC lathe machine, involves searching tool life based on different value of process parameters, and calculating parameter value that minimizes process cost

Patent Assignee: MURAKAWA M (MURA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002254272	A	20020910	JP 200157929	A	20010302	200278 B

Priority Applications (No Type Date): JP 200157929 A 20010302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002254272	A	7		B23Q-015/00	

... CNC lathe machine, involves searching tool life based on different value of process parameters, and calculating parameter value that minimizes process cost

Abstract (Basic):

... Different values of a process parameter are measured based on preset cost function and life of machine tool. By performing trial process with respect to the measured values, the tool life is searched and input to non-linear learning device. The approximation showing...

... parameter and tool life is integrated with cost function and parameter value which minimizes process cost, is calculated.

23/3,K/7 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013275067 \*\*Image available\*\*

WPI Acc No: 2000-446987/200039

XRAM Acc No: C00-136363

XRPX Acc No: N00-333821

Molten iron supply controlling method in steel mills, cast iron works, involves calculating required amount of molten iron and the amount of molten iron in steel mill after predefined period

Patent Assignee: KAWASAKI STEEL CORP (KAWI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000160213	A	20000613	JP 98335234	A	19981126	200039 B

Priority Applications (No Type Date): JP 98335234 A 19981126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000160213	A	8		C21B-005/00	

Abstract (Basic):

... steel mill are calculated immediately after predefined period based on the production situation by simple addition and subtraction processes. The calculated amount of molten iron is then fed to the steel mill.

... Reduces processing time and **cost** by simply calculating required amount of molten iron by simple calculations and hence possibility of outbreak of blast...

23/3,K/8 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012275452 \*\*Image available\*\*

WPI Acc No: 1999-081558/199907

XRPX Acc No: N99-058643

Blind equalisation of receiver using adaptive filters in communication systems - determining optimisation of hard-limiter adaptive filter according to estimate of noise characteristic of residual noise and measured values whilst in operation

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG ); PHILIPS ELECTRONICS NORTH AMERICA CORP (PHIG ); PHILIPS AB (PHIG )

Inventor: GHOSH M

Number of Countries: 020 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9859418	A2	19981230	WO 98IB693	A	19980511	199907 B
EP 927459	A2	19990707	EP 98917490	A	19980511	199931
			WO 98IB693	A	19980511	
US 6011813	A	20000104	US 97880378	A	19970623	200008

Priority Applications (No Type Date): US 97880378 A 19970623

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9859418 A2 E 25 H03H-021/00

Designated States (National): JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP 927459 A2 E H03H-021/00 Based on patent WO 9859418

Designated States (Regional): DE FR GB

US 6011813 A H04B-010/18

... of hard-limiter adaptive filter according to estimate of noise characteristic of residual noise and measured values whilst in operation

...Abstract (Basic): ADVANTAGE - minimises computations required for equalisation, reduced **costs** , improved performance...

23/3,K/9 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010716173 \*\*Image available\*\*

WPI Acc No: 1996-213128/199622

XRPX Acc No: N96-178558

Process transfer function identification device for process controller - obtains each factor specifying approximation transfer function based on each measured value obtained from step response of process

Patent Assignee: TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8076807	A	19960322	JP 94216250	A	19940909	199622 B

Priority Applications (No Type Date): JP 94216250 A 19940909

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 8076807 A 31 G05B-013/02

... obtains each factor specifying approximation transfer function based on each measured value obtained from step response of process

...Abstract (Basic): ADVANTAGE - Obtains approximation transfer function of sufficient accuracy, to perform automatic control. Performs simple calculation . Reduces cost of whole system...

23/3,K/10 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009024047 \*\*Image available\*\*

WPI Acc No: 1992-151404/199219

XRPX Acc No: N92-113134

Portable facsimile apparatus - informs operator of attribute information concerning time period during which appts. is operable by battery, number of documents transmittable and receivable on basis of quantity of electric charges remaining

Patent Assignee: MOTOYANAGI T (MOTO-I); TOSHIBA KK (TOKE )

Inventor: TERUO M; MOTOYANAGI T

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2049477	A	19920221	CA 49477	A	19910819	199219 B
US 5182655	A	19930126	US 91744106	A	19910813	199307
JP 5022480	A	19930129	JP 91200792	A	19910809	199309
KR 9401821	B1	19940309	KR 9113745	A	19910809	199503
CA 2049477	C	19951212	CA 2049477	A	19910819	199611

Priority Applications (No Type Date): JP 90217171 A 19900820

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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CA 2049477	A	30			
US 5182655	A	12		H04N-001/00	
JP 5022480	A			H04N-001/00	
KR 9401821	B1			H04N-001/00	
CA 2049477	C			H04N-001/00	

...Abstract (Basic): The consumed quantity of electric charges in the battery is measured from the operation time. The quantity of electric charges remaining in the battery is calculated from the charged quantity and consumed charge quantity. The operable time of the facsimile appts...

...Abstract (Equivalent): consumed quantity of electric charges is measured from the operation time. The quantity of electric charges remaining in the battery is calculated from the charge quantity and consumed charge quantity...

23/3,K/11 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004591805

WPI Acc No: 1986-095149/198615

XRPX Acc No: N86-069733

Programmable controller with display facility - incorporates internal monitoring which computes and displays processing time parameters using central processor

Patent Assignee: HITACHI LTD (HITA )

Inventor: ABE R; KUROKAWA M

Number of Countries: 006 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

Priority Applications (No Type Date): JP 84206203 A 19841003

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 176655 A E 41

Designated States (Regional): DE FR GB IT NL

Abstract (Basic): logic operation on an input signal under control of the stored program. A device (8) measures arithmetic processing times of the program, a measured value storage unit (9) stores the arithmetic processing times, and a display control (3,7) supervises...

ADVANTAGE - Small, low cost, programmable controller which computes and displays its own processing speed. Avoids lengthy process of computing processing speeds in advance...

23/3,K/12 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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004424501

WPI Acc No: 1985-251379/198541

XRPX Acc No: N85-188045

Energy saving technique for industrial process - includes calculation of average value of monitored parameter to allow correction of controlling effects

Patent Assignee: ATELIERS ACMI (ACMI-N)

Inventor: METAYER C; TREHIN P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2560400	A	19850830	FR 842729	A	19840223	198541 B

Priority Applications (No Type Date): FR 842729 A 19840223

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

FR 2560400 A 13

Abstract (Basic): In order to improve the efficiency of an industrial process, essential parameters of the process are measured and their average value determined by integration over a period of time. The average calculated value is then displayed...

The technique is applicable to processes involving cycles of energy, the calculation being for example the cost per kWh or energy produced, or in a drying process the cost per kilogram of...

23/3,K/13 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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003373980

WPI Acc No: 1982-N2014E/198240

Costing and weighing machine for packaging lines - has unit for applying value feeding control input of balance, with result compared with unit value for previous weighing

Patent Assignee: TEST MACH INSTR MAS (TEST-R)

Inventor: KONORATOV A I; KOTOV L G; MALKOV A P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 887937	B	19811210				198240 B

Priority Applications (No Type Date): SU 2902138 A 19800402

Patent Details:

Patent No	Kind	Lan	Pg	Main IPG	Filing Notes
SU 887937			B	3	

...Abstract (Basic): where cost computer (4) determines the cost of the product that has been weighed. The **calculated** unit of **cost** is then applied to the input of comparator (6), where it is compared with the **cost** of a given product **calculated** during the previous measurement of weight and retained in memory register (5...).

...measurement is formed by (6) and memory register (5) stores the result. If the two **values** do not coincide, the **measurement process** is repeated until coincidence is achieved. The system is designed basically for products having low...

27/3,K/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01803691 ORDER NO: AADAA-I9941318  
**POLARIMETRIC PROCESSING AND SEQUENTIAL DETECTION FOR AUTOMATIC TARGET  
RECOGNITION SYSTEMS**

Author: ERTIN, EMRE  
Degree: PH.D.  
Year: 1999  
Corporate Source/Institution: THE OHIO STATE UNIVERSITY (0168)  
Source: VOLUME 60/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4119. 108 PAGES

...is illustrated on measured imagery.

In the second part we study optimal design of sequential detectors under computational cost constraints. First, we study the problem of designing sequential procedures that maximize detection performance under

27/3,K/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01726653 ORDER NO: AADAA-INQ44767  
**Double barrier models for length of stay in hospital**  
Author: Horrocks, Julie Carol  
Degree: Ph.D.  
Year: 1999  
Corporate Source/Institution: University of Waterloo (Canada) (1141)  
Source: VOLUME 60/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 6184. 185 PAGES  
ISBN: 0-612-44767-7

...modeling the dependence of LOS on covariates, using administrative data collected for the purpose of calculating fees for doctors, or data extracted from medical charts. This problem is a challenging one, due...

...situation. Further work will explore incorporation of time-varying covariates, different distributions for the health level process, and formal measures of goodness of fit.

27/3,K/3 (Item 3 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01632271 ORDER NO: AAD98-24530  
**VOLUME RENDERING USING WEIGHTED COMPOSITING (MEDICAL IMAGING)**  
Author: LI, WEI  
Degree: PH.D.  
Year: 1997  
Corporate Source/Institution: UNIVERSITY OF MIAMI (0125)  
Source: VOLUME 59/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 796. 155 PAGES

...a material, the more the energy is absorbed. Furthermore, the new model reduces the interpolation process to a minimal level. In addition, the new model casts viewing beams instead of ideal viewing rays. Furthermore, the new model...

...hierarchical volume data representation, have been used to improve the rendering speed and reduce the computational cost. The new volume rendering model has been implemented and applied to MRI and CT volume...

27/3,K/4 (Item 4 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01535913 ORDER NO: AAD97-09527  
STATE ESTIMATION AND FAULT DIAGNOSES FOR DISTRIBUTED PARAMETER TRANSPORT  
PROCESSES WITH APPLICATION TO AIR CONTAMINATION CONTROL (KALMAN FILTER,  
SOURCE FUNCTION CHANGE DETECTION, CONVECTION DIFFUSION)

Author: SKLIAR, MIKHAIL

Degree: PH.D.

Year: 1996

Corporate Source/Institution: UNIVERSITY OF COLORADO AT BOULDER (0051)

Source: VOLUME 57/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 6493. 217 PAGES

...observer detection scheme is proposed which allows to isolate the influence of a single faulty sensor at a reduced computational cost.

It is shown, that the isolation of an unknown point source in diffusion-convection system...

27/3,K/5 (Item 5 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01152647 ORDER NO: AAD91-11071

COST-EFFECTIVENESS ANALYSIS OF HOME HEALTH CARE AND NURSING HOME CARE USING THE LONG-TERM CARE RUG-II CASE MIX CLASSIFICATION SYSTEM

Author: SRIVASTAVA, PINKI P.

Degree: PH.D.

Year: 1990

Corporate Source/Institution: RENSSELAER POLYTECHNIC INSTITUTE (0185)

Source: VOLUME 51/11-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5231. 265 PAGES

...problems.

Analysis of variance and Tukey pairwise comparisons were used to compare cost and effectiveness measures for nursing home levels (SNF, HRF) and home care programs (PCP, CHHA, LTHHCP). Effectiveness measures included the longitudinal change in functioning, hospitalization rates and predicted survival days. A parametric model...

...clients. If patients were initially dependent then both groups had similar effectiveness measures.

When the cost of home care is calculated as the sum of total payments for services and living expenses, home care is less...

27/3,K/6 (Item 6 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0972220 ORDER NO: AAD87-27070

PIP--PROCESS INVENTION PROCEDURE: A PROTOTYPE EXPERT SYSTEM FOR  
SYNTHEZIZING CHEMICAL PROCESS FLOWSHEETS

Author: KIRKWOOD, ROBERT LEONARD

Degree: PH.D

Year: 1987

Corporate Source/Institution: UNIVERSITY OF MASSACHUSETTS (0118)

Source: VOLUME 48/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2727. 201 PAGES

...a combination of qualitative knowledge, i.e. heuristics, and quantitative knowledge, i.e. design and cost calculations, to identify the unit operations involved in a flowsheet and the interconnections

between those units...

...types of knowledge-bases to interact at each decision level while inventing the flowsheet. In addition, at each decision level, where finer details of the process structure are added, the significant design variables are identified, and the processing costs (both annualized capital and operating...

27/3,K/7 (Item 7 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

771028 ORDER NO: AAD82-03231

**MEASUREMENT PROCESSING ORDER AND RECURSIVE STATISTICAL ESTIMATION**

Author: ROBERTAZZI, THOMAS GUY  
Degree: PH.D.  
Year: 1981  
Corporate Source/Institution: PRINCETON UNIVERSITY (0181)  
Source: VOLUME 42/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3799. 145 PAGES

This thesis is concerned with rearranging the order in which recursive statistical estimators process a potentially large number of equi-spaced measurements.

The optimal design and ordering problems for linear models with additive, independent and normally distributed...

...the ordering problem with several independent variables an adjacency restriction is introduced which further reduces computational costs.

The question of how processing order affects numerical accuracy is investigated for the measurement updating...

27/3,K/8 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

05898613

S'pore manufacturers getting more competitive: Survey  
SINGAPORE: MORE COMPETITIVE MANUFACTURERS  
The Straits Times (XBB) 26 Oct 1993 P.40  
Language: ENGLISH

... competitive. This is because productivity in Hongkong improved at a faster pace as more lower value - added operations continued to cross over into China. The above was seen from findings of a Straits Times calculation of manufacturing unit labour costs (ULC) of the 4 countries as well as that of the US and Japan. The...

27/3,K/9 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7480102 INSPEC Abstract Number: B2003-01-7230G-081, C2003-01-3390C-162  
Title: Data fusion for visual and ultrasonic map-building  
Author(s): Bonci, A.; Leo, T.; Longhi, S.  
Author Affiliation: Dipt. di Elettronica e Autom., Ancona Univ., Italy  
Conference Title: Robot Control 2000 (SYROCO'00). Proceedings volume from the 6th IFAC Symposium Part vol.2 p.575-80 vol.2  
Editor(s): Kopacek, P.  
Publisher: Elsevier Sci, Kidlington, UK  
Publication Date: 2001 Country of Publication: UK 2 vol.xi+704 pp.  
ISBN: 0 08 043561 0 Material Identity Number: XX-2002-01964  
Conference Title: Symposium on Robot Control (SYROCO 2000)

Conference Sponsor: IFAC  
Conference Date: 21-23 Sept. 2000 Conference Location: Vienna, Austria  
Language: English  
Subfile: B C  
Copyright 2002, IEE

...Abstract: update the occupancy grid map. The main features of the proposed method are the low **computational** efforts and the low **cost** of the **sensor** systems.

27/3,K/10 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7480073 INSPEC Abstract Number: C2003-01-3390C-155  
**Title: Building globally consistent gridmaps from topologies**  
Author(s): Duckett, T.; Saffiotti, A.  
Author Affiliation: Dept. of Technol., Univ. of Orebro, Sweden  
Conference Title: Robot Control 2000 (SYROCO'00). Proceedings volume from the 6th IFAC Symposium Part vol.2 p.405-10 vol.2  
Editor(s): Kopacek, P.  
Publisher: Elsevier Sci, Kidlington, UK  
Publication Date: 2001 Country of Publication: UK 2 vol.xi+704 pp.  
ISBN: 0 08 043561 0 Material Identity Number: XX-2002-01964  
Conference Title: Symposium on Robot Control (SYROCO 2000)  
Conference Sponsor: IFAC  
Conference Date: 21-23 Sept. 2000 Conference Location: Vienna, Austria  
Language: English  
Subfile: C  
Copyright 2002, IEE

...Abstract: map. Consequently, the robot is able to recover a globally consistent gridmap without requiring accurate **sensors** or high **computational costs**. Experiments on a Nomad 200 robot in a large, real world environment demonstrate the effectiveness...

27/3,K/11 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7213718 INSPEC Abstract Number: B2002-04-6135C-173, C2002-04-5260B-439  
**Title: Fast optimum decoding for non-additive readable watermarking**  
Author(s): Baitello, R.; Barni, M.; Bartolini, F.; Caldelli, R.; De Rosa, A.  
Author Affiliation: Dipt. di Elettronica a Telecomunicazioni, Florence Univ., Italy  
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4314 p.342-50  
Publisher: SPIE-Int. Soc. Opt. Eng.,  
Publication Date: 2001 Country of Publication: USA  
CODEN: PSISDG ISSN: 0277-786X  
SICI: 0277-786X(2001)4314L.342:FODA;1-4  
Material Identity Number: C574-2001-285  
U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00  
Conference Title: Security and Watermarking of Multimedia Contents III  
Conference Sponsor: SPIE  
Conference Date: 22-25 Jan. 2001 Conference Location: San Jose, CA, USA  
Language: English  
Subfile: B C  
Copyright 2002, IEE

...Abstract: to be tested, which is a prohibitive task from the point of

view of the computational cost. Correlation based watermark detectors can overcome this problem by exploiting the Fast Fourier Transform (FFT) algorithm, but they are...

27/3,K/12 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7156059 INSPEC Abstract Number: B2002-02-6135C-140, C2002-02-5260D-099

Title: Complexity analysis of two-pass algorithm and elliptical weighted average filter for VLSI implementation of perspective texture warping

Author(s): Panchanathan, S.; Ramaswamy, K.; Fang, J.; Moseler, K.; Levi, S.

Author Affiliation: Dept. of Comput. Sci. & Eng., Arizona State Univ., Tempe, AZ, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4310 p.330-9

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2000 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2000)4310L.330:CAPA;1-5

Material Identity Number: C574-2001-096

U.S. Copyright Clearance Center Code: 0277-786X/00/\$15.00

Conference Title: Visual Communications and Image Processing 2001

Conference Sponsor: SPIE; Int. Soc. Opt. Eng

Conference Date: 24-26 Jan. 2001 Conference Location: San Jose, CA, USA

Language: English

Subfile: B C

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...Abstract: the algorithm more amenable for hardware implementation. We present a complexity analysis based on the number of arithmetic and logic operations ( add , shift, compare, multiply, clip and divide) per macroblock. In the case of EWA filters, it...

...mapping quadrilaterals, four equations were needed for the four lines of the quadrilaterals, which was computationally complex, wherein the computational cost was directly proportional to the number of input pixels accessed. We also present the complexity...

27/3,K/13 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7155503 INSPEC Abstract Number: B2002-02-6320C-009

Title: Joint striping noise removal and background clutter cancellation in IR naval surveillance systems

Author(s): Diani, M.; Baldacci, A.; Corsini, G.

Author Affiliation: Dipt. di Ingegneria dell'Informazione, Pisa, Italy

Journal: IEE Proceedings-Vision, Image and Signal Processing vol.148, no.6 p.407-12

Publisher: IEE,

Publication Date: Dec. 2001 Country of Publication: UK

CODEN: IVIPEK ISSN: 1350-245X

SICI: 1350-245X(200112)148:6L.407:JSNR;1-6

Material Identity Number: B498-2002-001

U.S. Copyright Clearance Center Code: 1350-245X/01/\$20.00

Language: English

Subfile: B

Copyright 2002, IEE

...Abstract: removal of striping noise which arises as a consequence of

the nonuniform calibration of the **detector** array. The low **computational cost** of this technique makes it well suited for real-time implementation. The effectiveness of the...

27/3,K/14 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7081296 INSPEC Abstract Number: B2001-12-6150E-010

**Title: Fast optimal and suboptimal any-time algorithms for CWMA multiuser detection**

Author(s): Luo, J.; Pattipati, K.; Willett, P.; Levchuk, G.

Author Affiliation: ECE Dept., Connecticut Univ., Storrs, CT, USA

Conference Title: Proceedings. 2001 IEEE International Symposium on Information Theory (IEEE Cat. No.01CH37252) p.11

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2001 Country of Publication: USA xxix+350 pp.

ISBN: 0 7803 7123 2 Material Identity Number: XX-2001-01442

U.S. Copyright Clearance Center Code: 0 7803 7123 2/2001/\$10.00

Conference Title: Proceedings. 2001 IEEE International Symposium on Information Theory

Conference Sponsor: IEEE Inf. Theory Soc

Conference Date: 24-29 June 2001 Conference Location: Washington, DC, USA

Language: English

Subfile: B

Copyright 2001, IEE

...Abstract: waveform multiple-access (CWMA) channel with Gaussian noise. The proposed method significantly decreases the average **computational cost** and the decision feedback **detector** (DFD) is proved to be a first order approximation to the optimal algorithm. Furthermore, a...

27/3,K/15 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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7064054 INSPEC Abstract Number: B2001-11-6135E-099, C2001-11-1250M-069

**Title: An improved automatic isotropic color edge detection technique**

Author(s): Jianping Fan; Aref, W.G.; Hacid, M.-S.; Elmarmid, A.K.

Author Affiliation: Dept. of Comput. Sci., North Carolina Univ., Charlotte, NC, USA

Journal: Pattern Recognition Letters vol.22, no.13 p.1419-29

Publisher: Elsevier,

Publication Date: Nov. 2001 Country of Publication: Netherlands

CODEN: PRLEDG ISSN: 0167-8655

SICI: 0167-8655(200111)22:13L.1419:IAIC;1-E

Material Identity Number: D719-2001-011

U.S. Copyright Clearance Center Code: 0167-8655/2001/\$20.00

Language: English

Subfile: B C

Copyright 2001, IEE

...Abstract: edge operators, and its calculation cost has been reduced as compared with the complex edge **detectors**. Good balance between the **calculation cost** and the edge detection accuracy is achieved.

27/3,K/16 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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6979398 INSPEC Abstract Number: B2001-08-6320E-008, C2001-08-3390C-049

**Title: Object recognition system using sonar**

Author(s): Ecemis, M.I.; Gaudiano, P.  
Author Affiliation: NeuroRobotics Lab., Boston Univ., MA, USA  
Journal: Proceedings of the SPIE - The International Society for Optical  
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)  
vol.4196 p.180-8  
Publisher: SPIE-Int. Soc. Opt. Eng,  
Publication Date: 2000 Country of Publication: USA  
CODEN: PSISDG ISSN: 0277-786X  
SICI: 0277-786X(2000)4196L.180:ORSU;1-7  
Material Identity Number: C574-2001-049  
U.S. Copyright Clearance Center Code: 0277-786X/2000/\$15.00  
Conference Title: Sensor Fusion and Decentralized Control in Robotic  
Systems III  
Conference Sponsor: SPIE  
Conference Date: 6-8 Nov. 2000 Conference Location: Boston, MA, USA  
Language: English  
Subfile: B C  
Copyright 2001, IEE  
...Abstract: commonly found on mobile robots. Results demonstrate that  
sonar can be used as a low- cost , low- computation sensor for real time  
object recognition tasks on mobile robots. This system differs from all  
previous...

27/3,K/17 (Item 9 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6904402 INSPEC Abstract Number: B2001-05-6135-416, C2001-05-5260B-568  
Title: Efficient detection in hyperspectral imagery  
Author(s): Schweizer, S.M.; Moura, J.M.F.  
Author Affiliation: Dept. of Electr. & Comput. Eng., Carnegie Mellon  
Univ., Pittsburgh, PA, USA  
Journal: IEEE Transactions on Image Processing vol.10, no.4 p.  
584-97  
Publisher: IEEE,  
Publication Date: April 2001 Country of Publication: USA  
CODEN: IIPRE4 ISSN: 1057-7149  
SICI: 1057-7149(200104)10:4L.584:EDHI;1-W  
Material Identity Number: 0939-2001-004  
U.S. Copyright Clearance Center Code: 1057-7149/2001/\$10.00  
Language: English  
Subfile: B C  
Copyright 2001, IEE

...Abstract: to a benchmark detector, the RX-algorithm. Our results show  
that the GMRF "single" hypothesis detector outperforms significantly in  
computational cost the RX-algorithm, while delivering noticeable  
detection performance improvement.

27/3,K/18 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6738560 INSPEC Abstract Number: A2000-23-2940-029, B2000-12-7420-027  
Title: Computer simulations and performance measurements on a silicon  
strip detector for edge-on imaging  
Author(s): Lundqvist, M.; Cederstrom, B.; Chmilla, V.; Danielsson, M.;  
Nygren, D.  
Author Affiliation: Dept. of Phys., R. Inst. of Technol., Stockholm,  
Sweden  
Journal: IEEE Transactions on Nuclear Science Conference Title: IEEE  
Trans. Nucl. Sci. (USA) vol.47, no.4, pt.1 p.1487-92  
Publisher: IEEE,  
Publication Date: Aug. 2000 Country of Publication: USA

CODEN: IETNAE ISSN: 0018-9499  
SICI: 0018-9499(200008)47:4:1L.1487:CSPM;1-5  
Material Identity Number: I047-2000-012  
U.S. Copyright Clearance Center Code: 0018-9499/2000/\$10.00  
Conference Title: 1999 IEEE Nuclear Science Symposium. Conference Record.  
1999 IEEE Nuclear Science Symposium and Medical Imaging Conference  
Conference Date: 24-30 Oct. 1999 Conference Location: Seattle, WA, USA  
Language: English  
Subfile: A B  
Copyright 2000, IEE  
...Abstract: have been simulated. A software program was developed which can simulate the motion of free charges in the bulk detector and calculate the signals they induce on the electrodes. The purpose was to quantify the impact of...

27/3,K/19 (Item 11 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.  
6544487 INSPEC Abstract Number: B2000-05-6140M-009, C2000-05-1260S-061  
Title: Detecting the number of signals using antenna array: a single threshold solution  
Author(s): Hu, O.; Fuchun Zheng; Faulkner, M.  
Author Affiliation: Sch. of Commun. & Inf., Melbourne, Vic., Australia  
Conference Title: ISSPA '99. Proceedings of the Fifth International Symposium on Signal Processing and its Applications (IEEE Cat. No.99EX359)  
Part vol.2 p.905-8 vol.2  
Editor(s): Deriche, M.; Boashash, B.; Boles, W.  
Publisher: Queensland Univ. Technol, Brisbane, Qld., Australia  
Publication Date: 1999 Country of Publication: Australia 2  
vol.(xx+xvii+1016) pp.  
ISBN: 1 86435 451 8 Material Identity Number: XX-1999-03211  
Conference Title: Proceedings of Fifth International Symposium on Signal Processing and its Applications  
Conference Sponsor: IEEE Queensland Sect  
Conference Date: 22-25 Aug. 1999 Conference Location: Brisbane, Qld., Australia  
Language: English  
Subfile: B C  
Copyright 2000, IEE  
...Abstract: noise strength, data length, and array size. When the subspace-based algorithms are adopted the computation cost of the signal number detector can almost be neglected. The performance of the threshold is robust against low SNR and...

27/3,K/20 (Item 12 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.  
6468746 INSPEC Abstract Number: B2000-02-6250F-424  
Title: A novel multiuser signal detector with neural computing  
Author(s): Qingyi Quan; Jiandong Hu  
Author Affiliation: Beijing Univ. of Posts & Telecommun., China  
Conference Title: 3rd CDMA International Conference and Exhibition.  
Proceedings 'Technology for the Next Millennium' Part vol.2 p.186-9  
vol.2  
Publisher: Electron. & Telecommun. Res. Inst. (ETRI), Taejon, South Korea  
Publication Date: 1998 Country of Publication: South Korea 2  
vol.xxiv+601 pp.  
Material Identity Number: XX-1999-03370  
Conference Title: Proceedings of 3rd CIC (CDMA International Conference)  
Conference Sponsor: Korea Telecom; DACOM; SK Telecom; Shinsegi Telecom;  
Korea Telecom Freetel; Hansoi PCS; LG Telecom; et al  
Conference Date: 27-30 Oct. 1998 Conference Location: Seoul, South

Korea

Language: English

Subfile: B

Copyright 2000, IEE

...Abstract: by far the conventional detector and has a performance comparable to that of the optimum **detector** at much lower **computational cost**.

27/3,K/21 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6451358 INSPEC Abstract Number: B2000-02-6250-030

Title: Least  $L_p$ -norm interference suppression for DS/CDMA systems in non-Gaussian impulsive channels

Author(s): Seoyoung Lee; Dickerson, J.

Author Affiliation: Electron. & Telecommun. Res. Inst., Taejon, South Korea

Conference Title: 1999 IEEE International Conference on Communications (Cat. No. 99CH36311) Part vol.2 p.907-11 vol.2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 3 vol (x1+2061) pp.

ISBN: 0 7803 5284 X Material Identity Number: XX-1999-02121

U.S. Copyright Clearance Center Code: 0 7803 5284 X/99/\$10.00

Conference Title: 1999 IEEE International Conference on Communications

Conference Sponsor: AG Communication Systems; Lucent Technologies; Transwitch; Nortel Networks; Sierra Wireless; BCTEL; IBM; Ericsson

Conference Date: 6-10 June 1999 Conference Location: Vancouver, BC, Canada

Language: English

Subfile: B

Copyright 1999, IEE

...Abstract: that the LP interference suppression scheme increases the system capacity and BER performance at the **cost** of higher **computational complexity**. The proposed **detector** has superior near-far resistance to the adaptive MD detector.

27/3,K/22 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6354637 INSPEC Abstract Number: B1999-10-6150E-014

Title: Multi-user detection method based on MIMO structure

Author(s): Yu Xiang; Chen Binning; Zhang Xianda

Author Affiliation: Dept. of Autom., Tsinghua Univ., Beijing, China

Journal: Journal of Tsinghua University (Science and Technology) vol.39, no.7 p.64-7

Publisher: Tsinghua Univ,

Publication Date: July 1999 Country of Publication: China

CODEN: QDXKE8 ISSN: 1000-0054

SICI: 1000-0054(199907)39:7L.64:MUDM;1-S

Material Identity Number: G276-1999-009

Language: Chinese

Subfile: B

Copyright 1999, IEE

...Abstract: The equalizer can achieve multi-user detection with the same performance as the de-correlating **detector**, but with lower **computational cost** and also smaller decoding delay. An amplitude estimator (in both batch and adaptive way) is...

27/3,K/23 (Item 15 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6352598 INSPEC Abstract Number: B1999-10-1270F-030, C1999-10-5240-020

Title: Efficient implementation of biorthogonal wavelet transforms

Author(s): Rieder, P.; Nossek, J.A.

Author Affiliation: Inst. of Network Theor. & Circuit Design, Tech. Univ. Munchen, Germany

Conference Title: ECCTD '97. Proceedings of the 1997 European Conference on Circuit Theory and Design Part vol.2 p.1059-63 vol.2

Publisher: Tech. Univ. Budapest, Budapest, Hungary

Publication Date: 1997 Country of Publication: Hungary 3 vol. (xx+xxi+xx+1572) pp.

Material Identity Number: XX-1999-02102

Conference Title: Proceedings of 1997 European Conference on Circuit Theory and Design (ECCTD'97)

Conference Sponsor: IEEE Circuit & Syst. Soc.; Tech. Univ. Budapest; Hungarian Acad. Sci.; et al

Conference Date: 31 Aug.-3 Sept. 1997 Conference Location: Budapest, Hungary

Language: English

Subfile: B C

Copyright 1999, IEE

...Abstract: is discussed. Thereby, the aim is not to minimize the amount of multiplications, but the **number** of shift and **add operations**. The presented approach is based on implementing the biorthogonal wavelet filters with lattice structures using...

... few elementary hyperbolic rotations being based on very few shift and add operations reduces the **computational costs** drastically. However, this does not cause the loss of the performance of the transform, i...

...Identifiers: **computational costs** ;

27/3,K/24 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6297435 INSPEC Abstract Number: B1999-08-0290D-004, C1999-08-4120-004

Title: An infinite precision bracketing algorithm with guaranteed convergence

Author(s): Favati, P.; Lotti, G.; Menchi, O.; Romani, F.

Author Affiliation: IMC, CNR, Pisa, Italy

Journal: Numerical Algorithms vol.20, no.1 p.63-73

Publisher: Baltzer,

Publication Date: 1999 Country of Publication: Netherlands

CODEN: NUALEG ISSN: 1017-1398

SICI: 1017-1398(1999)20:1L.63:IPBA;1-9

Material Identity Number: H215-1999-003

Language: English

Subfile: B C

Copyright 1999, IEE

Abstract: The **computational cost** of a bracketing algorithm in the bit model of computation is analyzed, when working with a finite arithmetic of unbounded accuracy. The complexity **measure** used here is the **number** of bit **operations**, seen as a function of the required absolute error of the result. In this model...

... A modified bisection algorithm with guaranteed convergence is proposed and an upper bound to its **computational cost** is given.

27/3,K/25 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6207787 INSPEC Abstract Number: A1999-09-8740-003, B1999-05-7510F-002  
**Title: A sensor-weighted overlapping-sphere head model and exhaustive head model comparison for MEG**  
Author(s): Huang, M.X.; Mosher, J.C.; Leahy, R.M.  
Author Affiliation: Neuroimaging Center, New Mexico Regional Fed. Med. Center, Albuquerque, NM, USA  
Journal: Physics in Medicine and Biology vol.44, no.2 p.423-40  
Publisher: IOP Publishing,  
Publication Date: Feb. 1999 Country of Publication: UK  
CODEN: PHMBA7 ISSN: 0031-9155  
SICI: 0031-9155(199902)44:2L.423:SWOS;1-F  
Material Identity Number: P117-1999-002  
U.S. Copyright Clearance Center Code: 0031-9155/99/020423+18\$19.50  
Language: English  
Subfile: A B  
Copyright 1999, IEE

...Abstract: the boundary element method (BEM) or similar numerical methods are used, but at greatly increased **computational cost**. The authors introduce a **sensor**-weighted overlapping sphere (OS) head model for rapid calculation of more realistic head shapes. The...

27/3,K/26 (Item 18 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6106015 INSPEC Abstract Number: B9901-6250F-312  
**Title: Single-channel blind equalization for GSM cellular systems**  
Author(s): Zhi Ding; Ge Li  
Author Affiliation: Dept. of Electr. Eng., Auburn Univ., AL, USA  
Journal: IEEE Journal on Selected Areas in Communications vol.16, no.8 p.1493-505  
Publisher: IEEE,  
Publication Date: Oct. 1998 Country of Publication: USA  
CODEN: ISACEM ISSN: 0733-8716  
SICI: 0733-8716(199810)16:8L.1493:SCBE;1-W  
Material Identity Number: D958-98008  
U.S. Copyright Clearance Center Code: 0733-8716/98/\$10.00  
Language: English  
Subfile: B  
Copyright 1998, IEE

...Abstract: diversity without an additional antenna and reduces the number of necessary radio frequency (RF) receivers ( **sensors** ) without increasing hardware or **computational costs** . Several second-order statistical and higher order statistical methods of blind equalization are adopted for...

27/3,K/27 (Item 19 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6083664 INSPEC Abstract Number: B9812-6140-255, C9812-1260-195  
**Title: Using Hopfield network for multiuser signal detection**  
Author(s): Qingyi Quan; Jiandong Hu  
Author Affiliation: Beijing Univ. of Posts & Telecommun., China  
Conference Title: ICC '98. 1998 IEEE International Conference on Communications. Conference Record. Affiliated with SUPERCOMM'98 (Cat. No.98CH36220) Part vol.3 p.1794-8 vol.3  
Publisher: IEEE, New York, NY, USA  
Publication Date: 1998 Country of Publication: USA 3 vol. xxxvii+1838 pp.  
ISBN: 0 7803 4788 9 Material Identity Number: XX98-01606

U.S. Copyright Clearance Center Code: 0 7803 4788 9/98/\$10.00  
Conference Title: ICC '98 1998 IEEE International Conference on  
Communications. Conference Record,  
Conference Date: 7-11 June 1998 Conference Location: Atlanta, GA, USA  
Language: English  
Subfile: B C  
Copyright 1998, IEE

...Abstract: by far the conventional detector and has the performance comparable to that of the optimum detector at much lower computational cost .

27/3,K/28 (Item 20 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6078101 INSPEC Abstract Number: B9812-6150E-016  
Title: Efficient implementation of linear multiuser detectors for asynchronous CDMA systems by linear interference cancellation  
Author(s): Elders-Boll, H.; Schotten, H.D.; Busboom, A.  
Author Affiliation: Tech. Hochschule Aachen, Germany  
Journal: European Transactions on Telecommunications vol.9, no.5 p.  
427-37  
Publisher: AEI,  
Publication Date: Sept.-Oct. 1998 Country of Publication: Italy  
CODEN: ETTEFJ ISSN: 1120-3862  
SICI: 1120-3862(199809/10)9:5L.427:EILM;1-Y  
Material Identity Number: D372-98005  
Language: English  
Subfile: B  
Copyright 1998, IEE

...Abstract: a few stages are necessary to obtain the same BER performance as with the ideal detectors . The computational costs for one stage of a linear interference cancellation algorithm are essentially given by one matrix...

27/3,K/29 (Item 21 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6007516 INSPEC Abstract Number: B9810-6140-055  
Title: Anti-multipath path-coherence multiuser detector (PCMUD)  
Author(s): Xiao Weimin; Wang Jing; Yao Yan  
Author Affiliation: Dept. of Electron. Eng., Tsinghua Univ., Beijing, China  
Journal: Journal of Tsinghua University (Science and Technology)  
vol.38, no.3 p.62-6  
Publisher: Tsinghua Univ,  
Publication Date: March 1998 Country of Publication: China  
CODEN: QDXKE8 ISSN: 1000-0054  
SICI: 1000-0054(199803)38:3L.62:AMPC;1-Z  
Material Identity Number: G276-98006  
Language: Chinese  
Subfile: B  
Copyright 1998, IEE

...Abstract: user is less than the half of the duration of one symbol. Furthermore, this new detector works well with quite small cost of computation when the number of the signals from all the considered paths exceeds the processing gain...

27/3,K/30 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6002368 INSPEC Abstract Number: B9810-6310-012

Title: Optimum and mismatched detection against K-distributed plus Gaussian clutter

Author(s): Gini, F.; Greco, M.V.; Farina, A.; Lombardo, P.

Author Affiliation: Dept. of Inf. Eng., Pisa Univ., Italy

Journal: IEEE Transactions on Aerospace and Electronic Systems vol.34, no.3 p.860-76

Publisher: IEEE,

Publication Date: July 1998 Country of Publication: USA

CODEN: IEARAX ISSN: 0018-9251

SICI: 0018-9251(199807)34:3L.860:OMDA;1-I

Material Identity Number: I088-98003

U.S. Copyright Clearance Center Code: 0018-9251/98/\$10.00

Language: English

Subfile: B

Copyright 1998, IEE

...Abstract: when they are fed with such a mixed disturbance. We conclude that, though the optimum **detector** has a larger **computational cost**, it provides sensibly better detection performance than the mismatched detectors in a number of operational...

27/3,K/31 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5992192 INSPEC Abstract Number: B9809-6140C-633, C9809-1250-341

Title: Morphological pyramids for multiscale edge detection

Author(s): Wei Chen; Acton, S.T.

Author Affiliation: Sch. of Electr. & Comput. Eng., Oklahoma State Univ., Stillwater, OK, USA

Conference Title: 1998 IEEE Southwest Symposium on Image Analysis and Interpretation (Cat. No.98EX165) p.137-41.

Publisher: IEEE, New York, NY, USA

Publication Date: 1998 Country of Publication: USA x+263 pp.

ISBN: 0 7803 4876 1 Material Identity Number: XX98-01048

U.S. Copyright Clearance Center Code: 0 7803 4876 1/98/\$10.00

Conference Title: 1998 IEEE Southwest Symposium on Image Analysis and Interpretation

Conference Sponsor: Univ. Arizona; Univ. Arizona Found.; Arizona State Univ.; Tucson Sect. IEEE

Conference Date: 5-7 April 1998 Conference Location: Tucson, AZ, USA

Language: English

Subfile: B C

Copyright 1998, IEE

...Abstract: quality over standard fixed resolution detectors and over previous multiresolution approaches. Because of the low **computational cost** of the MP edge **detector**, it is suitable for video tracking, image and video compression, and real-time object recognition.

27/3,K/32 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5933792 INSPEC Abstract Number: B9807-6140C-184, C9807-5260B-123

Title: A novel edge detection technique for detecting moving objects

Author(s): Siyal, M.Y.; Fathy, M.

Author Affiliation: Sch. of Electr. & Electron. Eng., Nanyang Technol. Inst., Singapore

Journal: Proceedings of the SPIE - The International Society for Optical

Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)  
vol.3185 p.105-9

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X /

SICI: 0277-786X(1997)3185L.105:NEDT;1-D

Material Identity Number: C574-97293

U.S. Copyright Clearance Center Code: 0277-786X/97/\$10.00

Conference Title: Automatic Inspection and Novel Instrumentation

Conference Sponsor: SPIE

Conference Date: 25-26 June 1997 Conference Location: Singapore

Language: English

Subfile: B C

Copyright 1998, IEE

...Abstract: in image processing applications. However, morphological edge detectors have shown better performance than conventional edge detectors while having a lower computational cost. This paper describes a novel method for object detection based on morphological edge detection techniques...

27/3,K/33 (Item 25 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5826762 INSPEC Abstract Number: B9803-6140C-306, C9803-5260B-162

Title: Learning landmark triples by experimentation

Author(s): Murphy, R.R.; Hershberger, D.; Blauvelt, G.R.

Author Affiliation: Center for Robotics & Intelligent Syst., Colorado Sch. of Mines, Golden, CO, USA

Journal: Robotics and Autonomous Systems vol.22, no.3-4 p.377-92

Publisher: Elsevier,

Publication Date: Dec. 1997 Country of Publication: Netherlands

CODEN: RASOEJ ISSN: 0921-8890

SICI: 0921-8890(199712)22:3/4L.377:LLTE;1-6

Material Identity Number: M858-98003

U.S. Copyright Clearance Center Code: 0921-8890/97/\$17.00

Language: English

Subfile: B C

Copyright 1998, IEE

...Abstract: to confirm that the best triple is sufficient. The method supports the use of multiple sensors with different computational and energy costs, where a utility function captures the tradeoff between navigational performance ranking and cost. Over 100...

1,

27/3,K/34 (Item 26 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5811391 INSPEC Abstract Number: C9803-3390C-004

Title: Vision and motion planning for a mobile robot under uncertainty

Author(s): Miura, J.; Shirai, Y.

Author Affiliation: Dept. of Mech. Eng. for Comput.-Controlled Machinery, Osaka Univ., Japan

Journal: International Journal of Robotics Research vol.16, no.6 p. 806-25

Publisher: MIT Press,

Publication Date: Dec. 1997 Country of Publication: USA

CODEN: IJRREL ISSN: 0278-3649

SICI: 0278-3649(199712)16:6L.806:VMPM;1-Q

Material Identity Number: F589-98001

U.S. Copyright Clearance Center Code: 0278-3649/97/\$10.00

Language: English

Subfile: C

1,

...Abstract: also described that employs the pruning method based on the lower bound of the total cost calculated by assuming perfect sensor information. Simulation results and experiments with an actual mobile robot demonstrate the feasibility of our...

27/3,K/35 (Item 27 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5730332 INSPEC Abstract Number: C9712-4240P-014

Title: Efficient external memory algorithms by simulating coarse-grained parallel algorithms

Author(s): Dehne, F.; Dittrich, W.; Hutchinson, D.

Author Affiliation: Sch. of Comput. Sci., Carleton Univ., Ottawa, Ont., Canada

Conference Title: SPAA '97. 9th Annual ACM Symposium on Parallel Algorithms and Architectures p.106-15

Publisher: ACM, New York, NY, USA

Publication Date: 1997 Country of Publication: USA viii+331 pp.

ISBN: 0 89791 890 8 Material Identity Number: XX97-01280

Conference Title: Proceedings of 9th Annual Symposium on Parallel Algorithms and Architectures

Conference Sponsor: ACM; EATCS

Conference Date: 22-25 June 1997 Conference Location: Newport, RI, USA

Language: English

Subfile: C

Copyright 1997, IEE

...Abstract: scale applications, this is necessarily true. Typically, the cost models proposed for EM algorithms have measured only the number of I/O operations, and the algorithms have been specially crafted for the EM situation. In the past, several...

... result, we obtain a more comprehensive cost model for EM algorithms, which considers the total costs incurred by the algorithm, including computation, I/O and communication costs.

...Identifiers: computation cost;

27/3,K/36 (Item 28 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5430479 INSPEC Abstract Number: B9701-6250-005

Title: FIR filters for blind detection of CDMA signals

Author(s): Pados, D.A.; Batalama, S.N.

Author Affiliation: Dept. of Electr. & Comput. Eng., Louisiana Univ., Lafayette, LA, USA

Conference Title: Proceedings. 8th IEEE Signal Processing Workshop on Statistical Signal and Array Processing (Cat. No.96TB100040) p.494-7

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1996 Country of Publication: USA xviii+589 pp.

ISBN: 0 8186 7576 4 Material Identity Number: XX96-01038

U.S. Copyright Clearance Center Code: 0 8186 7576 4/96/\$5.00

Conference Title: Proceedings of 8th Workshop on Statistical Signal and Array Processing

Conference Sponsor: IEEE Signal Process. Soc

Conference Date: 24-26 June 1996 Conference Location: Corfu, Greece

Language: English

Subfile: B

Copyright 1996, IEE

...Abstract: alternative to the minimum-output-energy (MOE) receiver. At

only a minimal increase of the computational cost, the proposed detector outperforms significantly the conventional matched filter (MF) receiver. It also compares favorably to the decorrelating...

27/3,K/37 (Item 29 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5425541 INSPEC Abstract Number: B9612-6150E-018

Title: A new linear multiuser detector in asynchronous CDMA systems

Author(s): Xiao Weimin; Wang Jing; Yao Yan

Author Affiliation: State Key Lab, Tsinghua Univ., Beijing, China

Conference Title: ICCT'96. 1996 International Conference on Communication Technology Proceedings (Cat. No.96TH8118) Part vol.2 p.1114-17 vol.2

Editor(s): Zhigang, C.A.O.

Publisher: IEEE, New York, NY, USA

Publication Date: 1996 Country of Publication: USA 2 vol. 1151 pp.

ISBN: 0 7803 2916 3 Material Identity Number: XX96-02849

Conference Title: Proceedings of International Conference on Communication Technology. ICCT '96

Conference Sponsor: Chinese Inst. Electron.; Chinese Inst. Commun.; Tsinghua Univ.; IEEE Commun. Soc.; IEE

Conference Date: 5-7 May 1996 Conference Location: Beijing, China

Language: English

Subfile: B

Copyright 1996, IEE

...Abstract: a new multiuser detector in asynchronous CDMA systems. Unlike the existing asynchronous detectors, the new **detector** is characterized by its low **cost** of **computation** and easy realization. Furthermore, the performance of the proposed algorithm is superior to the conventional...

27/3,K/38 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4801184 INSPEC Abstract Number: C9412-5260B-053

Title: An uncertainty model of stereo vision and its application to vision-motion planning of robot

Author(s): Miura, J.; Shira, Y.

Author Affiliation: Dept. of Mech. Eng. for Comput.-Controlled Machinery, Osaka Univ., Japan

Part vol.2 p.1618-23 vol.2

Editor(s): Bajcsy, R.

Publisher: Morgan Kaufmann Publishers, San Mateo, CA, USA

Publication Date: 1993 Country of Publication: USA 2 vol. (xxviii+xiv+1708) pp.

Conference Title: Proceedings of International Joint Conference on Artificial Intelligence

Conference Sponsor: Int. Joint Conferences on Artificial Intelligence; Assoc. Francaise pour l'Intelligence Artificielle; Alcatel/Alsthom; et al

Conference Date: 28 Aug.-3 Sept. 1993 Conference Location: Chambery, France

Language: English

Subfile: C

...Abstract: also described which employs a pruning method based on the lower bound of the total **cost** calculated by the assumption of perfect **sensor** information.

27/3,K/39 (Item 31 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4760816 INSPEC Abstract Number: B9410-7230-058

Title: Small inertial measurement units-sources of error and limitations on accuracy

Author(s): Hoenk, M.E.

Author Affiliation: Jet Propulsion Lab., California Inst. of Technol., Pasadena, CA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.2220 p.15-26

Publication Date: 1994 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

U.S. Copyright Clearance Center Code: 0 8194-1524-3/94/\$6.00

Conference Title: Sensing, Imaging, and Vision for Control and Guidance of Aerospace Vehicles

Conference Sponsor: SPIE

Conference Date: 4-5 April 1994 Conference Location: Orlando, FL, USA

Language: English

Subfile: B

...Abstract: precision. Emphasis is placed on micromachined silicon accelerometers as a potential technology for manufacturing low **cost**, precision **sensors**, and sample **calculations** are given to illustrate the principles.

27/3,K/40 (Item 32 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

4459705 INSPEC Abstract Number: B9309-6140C-205, C9309-1250-172

Title: A robust adaptive multi-spectral object detection by using wavelet transform

Author(s): Yu, X.; Reed, I.S.; Kraske, W.; Stocker, A.D.

Author Affiliation: Dept. of Electr. Eng., Univ. of Southern California, Los Angeles, CA, USA

Conference Title: ICASSP-92: 1992 IEEE International Conference on Acoustics, Speech and Signal Processing (Cat. No.92CH3103-9) p.141-4 vol.5

Publisher: IEEE, New York, NY, USA

Publication Date: 1992 Country of Publication: USA 5 vol. 3219 pp.

ISBN: 0 7803 0532 9

U.S. Copyright Clearance Center Code: 0 7803 0532 9/92/\$3.00

Conference Sponsor: IEEE

Conference Date: 23-26 March 1992 Conference Location: San Francisco, CA, USA

Language: English

Subfile: B C

...Abstract: used to develop a generalized maximum likelihood ratio test and to analyze detection performance. The **computational cost** of the new **detector** can be reduced substantially when compared to conventional spatial size and orientation matched filter-bank...

27/3,K/41 (Item 33 from file: 2)

DIALOG(R)File 2:INSPEC

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4417975 INSPEC Abstract Number: B9307-2210D-032

Title: Activity-based costing (PCB assembly)

Author(s): Darilek, B.; Frazier, P.; Skaggs, C.

Author Affiliation: IBM Corp., Austin, TX, USA

Conference Title: Surface Mount International Conference and Exposition. Proceedings of the Technical Program p.343-8 vol.1

Publisher: Surface Mount Int, Edina, MN, USA

Publication Date: 1992 Country of Publication: USA 2 vol. 1251 pp.  
Conference Date: 30 Aug.-3 Sept. 1992 Conference Location: San Jose,  
CA, USA

Language: English  
Subfile: B

...Abstract: project represents a major change in the way IBM Austin ECAT will be treating the **cost** /accounting process and calculating the manufacturing **value add** (MVA) for the various electronic card products built in Austin.

27/3,K/42 (Item 34 from file: 2)  
DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04097490 INSPEC Abstract Number: C9204-7420-012

**Title: Masking failures of multidimensional sensors**

Author(s): Chew, P.; Marzullo, K.  
Author Affiliation: Dept. of Comput. Sci., Cornell Univ., Ithaca, NY, USA  
Conference Title: Proceedings. Tenth Symposium on Reliable Distributed Systems (Cat. No.91CH3021-3) p.32-41  
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA  
Publication Date: 1991 Country of Publication: USA viii+228 pp.  
ISBN: 0 8186 2260 1  
U.S. Copyright Clearance Center Code: CH3021-3/91/0000-0032\$01.00  
Conference Sponsor: IEEE; A.I.C.A.; IFIP WG10.4; Ist. Elaborazione Inf.  
CNR-Pisa; Univ. Bologna; Univ. Pisa  
Conference Date: 30 Sept.-2 Oct. 1991 Conference Location: Pisa, Italy  
Language: English  
Subfile: C

...Abstract: physical value. To be useful, an abstract sensor must deliver reasonably accurate information at reasonable **computational cost**. The authors consider **sensors** that deliver multidimensional values (e.g. location or velocity in three dimensions). Geometric techniques are...

27/3,K/43 (Item 35 from file: 2)  
DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04016173 INSPEC Abstract Number: B91080727

**Title: The first fully electronic compact domestic district heating station**

Author(s): Breuer, W.  
Journal: Fernwaerme International vol.20, no.9 p.498, 501-2, 505-6  
Publication Date: Sept. 1991 Country of Publication: West Germany  
CODEN: FRWMAG ISSN: 0340-3572 /  
Language: German  
Subfile: B

...Abstract: supplied water at 120 deg C and a pressure of 16 atmospheres. Fixed and variable **costs** are **calculated**. Construction; standardization; the electric **measurement** of nonelectric **values**; the central display of **operation** data, control characteristics and heat **amounts** on one display board; the far-reaching use of synthetic materials and a modern, sale...

27/3,K/44 (Item 36 from file: 2)  
DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03485279 INSPEC Abstract Number: B89071159, C89059605

**Title: A formula for least-squares projection and its application in image**

reconstruction

Author(s): Oakley, J.P.; Cunningham, M.J.  
Author Affiliation: Dept. of Electr. Eng., Manchester Univ., UK  
Conference Title: ICASSP-89: 1989 International Conference on Acoustics, Speech and Signal Processing (IEEE Cat. No.89CH2673-2) p.1602-5 vol.3  
Publisher: IEEE, New York, NY, USA  
Publication Date: 1989 Country of Publication: USA 4 vol. 2833 pp.  
U.S. Copyright Clearance Center Code: CH2673-2/89/0000-1602\$01.00  
Conference Sponsor: IEEE  
Conference Date: 23-26 May 1989 Conference Location: Glasgow, UK  
Language: English  
Subfile: B C

...Abstract: method is that the algorithm is automatically tailored to the spatial resolution of the image sensor. The exact computational cost of the method, in terms of reconstruction sum size, depends on the sensor PSF (point...).

27/3,K/45 (Item 37 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03160555 INSPEC Abstract Number: B88038107, C88039365  
Title: The partial total least squares algorithm  
Author(s): Van Huffel, S.; Vandewalle, J.  
Author Affiliation: Dept. of Electr. Eng., Katholieke Univ. Leuven, Heverlee, Belgium  
Journal: Journal of Computational and Applied Mathematics vol.21, no.3 p.333-41  
Publication Date: March 1988 Country of Publication: Netherlands  
CODEN: JCAMDI ISSN: 0377-0427  
U.S. Copyright Clearance Center Code: 0377-0427/88/\$3.50  
Language: English  
Subfile: B C

...Abstract: a basis of the right singular values of the data (A; B) is needed, the computational cost can be reduced considerably by using the partial SVD algorithm. This algorithm computes in an...

... the left and/or right singular subspace of a matrix associated with its smallest singular values. An analysis of the operation counts, as well as computational results, show the relative efficiency of PTLS with respect to the...

27/3,K/46 (Item 38 from file: 2)

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02635800 INSPEC Abstract Number: B86025885, C86020674  
Title: Development of a computer model for the selection of boiler plants from the viewpoint of a low energy consumption  
Author(s): Meijnen, A.J.  
Issued by: Comm. Eur. Communities, Luxembourg  
Publication Date: 1985 Country of Publication: Luxembourg ix+194 pp.  
Report Number: EUR 9917 EN Contract Number: EEA-1-001-N  
Language: English  
Subfile: B C

...Abstract: boiler selection project, the aim of which was to develop a computer program for the calculation of fuel consumption and exploitation- costs of boiler plants for heating purposes. An extensive measurements-program has been carried out in...

... standstill-losses. The installation has been used for the verification

of the boiler selection computer program. A number of measurements have been re-calculated by the computer program and the results compared. A comparison between...

27/3,K/47 (Item 39 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02547790 INSPEC Abstract Number: C85049301

Title: Cost Effective and Affordable Guidance and Control Systems. Guidance and Control Panel 39th Symposium (AGARD-CP-360)

Publisher: AGARD, Paris, France

Publication Date: 1985 Country of Publication: France xi+294 pp.

Conference Date: 16-19 Oct. 1984 Conference Location: Izmir, Turkey

Language: English

Subfile: C

Abstract: The following topics were dealt with: cost-effectiveness models; system configurations; design tools; low-cost guidance and control sensors; computational techniques and data processing; reduction of development and support costs; and examples of cost-effective

27/3,K/48 (Item 40 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01460103 INSPEC Abstract Number: B80006256, C80006574

Title: Efficient algorithms for on-board array processing

Author(s): Carlson, N.A.; Culmone, A.F.

Author Affiliation: Intermetrics Inc., Cambridge, MA, USA

Conference Title: ICC '79. 1979 International Conference on Communications Part IV p.58.1/1-5

Publisher: IEEE, New York, NY, USA

Publication Date: 1979 Country of Publication: USA 156 pp.

Conference Sponsor: IEEE

Conference Date: 10-14 June 1979 Conference Location: Boston, MA, USA

Language: English

Subfile: B C

Abstract: Digital implementations of adaptive array algorithms usually exhibit high computational costs measured in terms of number of arithmetic operations and associated computation time. Processor computation rate may be increased via parallel computation features and...

... volume, and power consumption-parameters which, for spaceborne and avionics applications, must be kept small. Computation costs can be reduced with algorithms requiring a minimum of arithmetic operations and tolerating reduced precision... ,

27/3,K/49 (Item 41 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01413557 INSPEC Abstract Number: C79030345

Title: HP-25 program makes fast cost estimates

Author(s): Barocio, J.

Author Affiliation: Teledyne Lewisburg, Lewisburg, TN, USA

Journal: Electronics vol.52, no.16 p.138

Publication Date: 2 Aug. 1979 Country of Publication: USA

CODEN: ELECAD ISSN: 0883-4989

Language: English

Subfile: C

...Abstract: product from the established cost of the first unit. Given any learning curve factor, this program uses its **tabulated values** to find unit, cumulative average, and total costs in a fraction of the time it would take to **calculate** those **costs** by hand. The formula based on the learning curve factor, L, is  $v=ax/sup...$

27/3,K/50 (Item 42 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00500102 INSPEC Abstract Number: C73009118  
**Title: Results of an enquiry about project planning programs**  
Author(s): Tanguy, Y.; Zeller, J.L.  
Journal: Revue Francaise d'Automatique Informatique Recherche  
Operationnelle vol.6, no.V2 p.33-48  
Publication Date: Oct. 1972 Country of Publication: France  
CODEN: RFAIAA ISSN: 0376-2165  
Language: French  
Subfile: C

...Abstract: are generally written for a given type of computer and for networks with a maximum **number** of activities. Some of the **programs** have added features besides the **computation** of dates: **computation** of **costs**, capacity constraints.

27/3,K/51 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

1847938 H.W. WILSON RECORD NUMBER: BAST99015031  
**Chopper stabilisation boosts monolithic Hall-sensor performance**  
Maisl, Dominikus;  
Electronic Engineering v. 71 no866 (Mar. '99) p. 33-4+  
DOCUMENT TYPE: Feature Article ISSN: 0013-4902

...ABSTRACT: and drift. A 5 V bipolar CMOS process can be used to achieve dynamic offset **calculation** with **cost** -effective signal conditioning. One such **sensor** exhibits a zero-level stability similar to that achieved by multilevel dc approaches.

27/3,K/52 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01604893 20020107637  
**Variantenvielfalt in Produkten und Prozessen - Erfahrungen, Methoden und Instrumente zur erfolgreichen Beherrschung**  
(Variants variety in products und processes - experiences, methods, and instruments for successful control)  
Franke, H-J; Firchau, NL  
Variantenvielfalt in Produkten und Prozessen. Erfahrungen, Methoden und Instrumente, VDI-Ges. Entwicklung, Konstruktion Vertrieb, Tagung, Kassel, D, 7.-8. Nov, 2001 VDI-Berichte, v1645, n12, pp1-21, 2001  
Document type: Conference paper Language: German  
Record type: Abstract  
ISBN: 3-18-091645-1  
ISSN: 0083-5560

DESCRIPTORS: ORDER PROCESSING; **CALCULATION** METHOD; JOB LOT PRODUCTION; COST REDUCTION; MASS CUSTOMIZATION; CONTINUOUS SERIES TYPE PRODUCTION; BATCH SIZES; STANDARDISATION; VARIANT; **PROCESS** PROCEDURE; **PROCESS** VARIANT; **VALUE** ADDED MANAGEMENT

27/3,K/53 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01066352 I96107025248  
**pH-dependent charge density at the insulator-electrolyte interface probed by a scanning force microscope**  
(Untersuchung der pH-abhaengigen Ladungsdichte an einer Dielektrikum-Elektrolyt-Grenzflaeche mit Hilfe eines Rasterkraftmikroskops)  
Raiteri, R; Martinoia, S; Grattarola, M  
Dept. of Biophys. & Electron. Eng., Genoa Univ., Italy  
Biosensors and Bioelectronics, v11, n10, pp1009-1017, 1996  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0956-5663

...IDENTIFIERS: CHARGING; PH DEPENDENT CHARGE DENSITY; INSULATOR ELECTROLYTE INTERFACE; SCANNING FORCE MICROSCOPE; INSULATOR SURFACE; ELECTROSTATIC FORCES **CALCULATION**; POTENTIOMETRIC MICROELECTRONIC **SENSORS**; BIOSENSOR SURFACE **CHARGES** CHARACTERIZATION; SITE BINDING THEORY; FORCE VERSUS DISTANCE MODE; ELECTROLYTE SOLUTIONS; IMMERSED INSULATORS; Ladungsdichtemessung; Dielektrum-Elektrolyt...

27/3,K/54 (Item 3 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00934519 F95100315968  
**Inspection of centering marks engraved on ophthalmic lenses by model-based numerical correlation**  
(Ueberpruefung von in intraokulare Linsen eingravierten Zentrierungsmarkierungen mittels modellbasierter numerischer Korrelation)  
Fernandez, X; Bosch, S  
Ind. de Optica, L'Hospitalet de Llobregat, E; Univ. Barcelona, E  
Optical Engineering, v34, n7, pp2120-2125, 1995  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0892-3286

...DESCRIPTORS: ANALYSIS; MANUFACTURING PROCESS MONITORING; NUMERICAL DATA; CORRELATION METHOD; IMAGE CONTRAST; GRAY LEVEL; MICROCOMPUTERS; CCD IMAGE **SENSORS**; POSITIONING ACCURACY; **CALCULATING TIME**; **COST REDUCTION**; PERFORMANCE RELIABILITY

27/3,K/55 (Item 4 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00830636 I94100317217  
**Application of general-purpose device simulator to analysis of integrated silicon microsensors**  
(Anwendung eines universellen Bauteil-Simulators zur Analyse integrierter Silicium-Mikrosensoren)  
Ciampolini, P; Pierantoni, A; Vecchi, MC; Rudan, M  
Istituto di Elettronica, Perugia Univ., Italy  
Sensors and Materials, Tokyo, v6, n3, pp139-157, 1994  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0914-4935

IDENTIFIERS: GENERAL PURPOSE DEVICE SIMULATOR; SI INTEGRATED MICROSENSORS; SEMICONDUCTOR DEVICE TRANSPORT MODEL; MULTIDIMENSIONAL ANALYSIS;

COMPUTATIONAL COST ; MECHANICAL SENSORS ; THERMAL SENSORS ; Mikrosensor  
; Bauteil-Simulator; Silicium

27/3,K/56 (Item 5 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00678274 E93064119062

The SIMD-parallel understanding of natural language, with application to  
magnitude-only optical parsing of text

(Das SIMD-parallele Verstehen der natuerlichen Sprache mit der Anwendung  
auf die optische, grammatische Textanalyse ausschliesslich in Bezug auf die  
Groesse)

Schmalz, Mark S

Univ. of Florida, Gainesville, USA

Advances in Optical Information Processing V, Orlando, V, USA, 21-24 Apr  
19921992

Document type: Conference paper Language: English

Record type: Abstract

ABSTRACT:

...operations of bottom-up parsing, semantic disambiguation, and  
referential resolution are implemented as image-processing **operations**  
upon the adjacency matrix. Pixel- **level operations** are constrained to  
Hadamard **addition** and multiplication, thresholding, and row/column  
summation, which are available in magnitude-only optics. Assuming...

...smaller  $O(MHn/N)$ . When  $N=O(Mn)$ , which is feasible with massive  
parallelism, the **computational cost** is constant and of order  $H$ . Since  $H$   
smaller  $n$  is typical, the authors claim...

... $m$  corresponds to the depth of the search tree. Results are evaluated in  
terms of **computational cost** on SISD and SIMD processors, with  
discussion of implementation on electro-optical architectures.

27/3,K/57 (Item 6 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management  
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00555815 E92043431046

Greed sort: An optimal external sorting algorithm for multiple disks  
(Greed Sort: ein optimaler externer Sortieralgorithmus fuer mehrfache  
Platten)

Nodine, MH; Vitter, JS

Brown Univ., Providence, USA

1990

Document type: Report Language: English

Record type: Abstract

ABSTRACT:

The authors present an optimal deterministic algorithm for external sorting  
on multiple disks. The **measure** of performance is the **number** of  
input/output (I/O) **operations**. In each I/O, each disk can simultaneously  
transfer a block of data. The algorithm...

...DESCRIPTORS: SORTING; PARALLEL ALGORITHMS; DISC STORAGE; PERFORMANCE  
ANALYSIS; DATA INPUT OUTPUT; ALGORITHM THEORY; COST OPTIMIZATION; MEMORY  
MANAGEMENT; DATA ORGANIZATION; CALCULATING TIME

29/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

07544623 \*\*Image available\*\*  
MEASURING METHOD FOR VITAL REACTION AND MEASURING SYSTEM FOR VITAL REACTION

PUB. NO.: 2003-038463 [JP 2003038463 A]  
PUBLISHED: February 12, 2003 (20030212)  
INVENTOR(s): FURUI ICHIRO  
TANO YOSHIHIKO  
APPLICANT(s): FURUI ICHIRO  
APPL. NO.: 2001-226257 [JP 20011226257]  
FILED: July 26, 2001 (20010726)

INTL CLASS: A61B-005/145; G06F-017/60

ABSTRACT

... as a blood-sugar level measurable in non-invasion and simply by everyone.

SOLUTION: A **detector** 20 applies an electromagnetic wave entering the interior of an organism to the organism of...

... the concentration of the subject material in the organism. A data analyzing part 70 statistically **processes** the **measured value** of the user to obtain analysis data of the user with high accuracy. According to

29/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07522322 \*\*Image available\*\*  
OPERATION CONTROLLER FOR ELECTRIC POWER FACILITY

PUB. NO.: 2003-016153 [JP 2003016153 A]  
PUBLISHED: January 17, 2003 (20030117)  
INVENTOR(s): MARUYAMA YOSHIO  
MOURI YUKIKO  
AKATSU TORU  
FUJIMURA HIDEKAZU  
FURUKAWA MASAO  
SHIMIZU KATSUTO  
HAYASAKA YASUSHI  
HAYASHI YOSHIHARU  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 2001-198885 [JP 20011198885]  
FILED: June 29, 2001 (20010629)

INTL CLASS: G06F-017/60 ; G05B-023/02; H02P-009/04

ABSTRACT

... occurs in the electric power facility 3 to protect the electric power facility and a **sensor** 21 for **measuring** the **process quantity** of the electric power facility 3, and the operation center 2 provided with an operation...

... and controlling the process quantity of the electric power facility on the basis of the **operation target value** and the **process quantity** measured by the **sensor** , the **operation center** 2 is connected to a plurality of electric power facilities through a communication line...

29/3,K/3 (Item 3 from file: 347)

DIALOG(R) File 347:JAPIO  
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06356898 \*\*Image available\*\*  
DISPLAY DEVICE

PUB. NO.: 11-298506 [JP 11298506 A]  
PUBLISHED: October 29, 1999 (19991029)  
INVENTOR(s): WATARIKAWA HIROYUKI  
UEDA NORIHIRO  
APPLICANT(s): OMRON CORP  
APPL. NO.: 10-097136 [JP 9897136]  
FILED: April 09, 1998 (19980409)

INTL CLASS: H04L-012/40 ; H04B-003/46; H04B-003/50

ABSTRACT

... TO BE SOLVED: To display required data among communication data on a field bus without adding a program and limiting the number of installed sets.

SOLUTION: A required data part among communication data on a field bus 2, e.g. a temperature data part of a temperature sensor 12 of 2CH connecting to an analog terminal device of a node address '03' is...

... read request from a master unit 1, that is, the temperature data of the temperature sensor 12 of 2CH and displays the data on a display section.

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29/3,K/4 (Item 4 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06222332 \*\*Image available\*\*  
DEVICE TO TRANSMIT DATA FROM VEHICLE

PUB. NO.: 11-163894 [JP 11163894 A]  
PUBLISHED: June 18, 1999 (19990618)  
INVENTOR(s): GRABOW WILHELM  
BOCHMANN HARALD  
KERSKEN ULRICH  
LAEDKE MICHAEL  
APPLICANT(s): ROBERT BOSCH GMBH  
APPL. NO.: 10-190398 [JP 98190398]  
FILED: July 06, 1998 (19980706)  
PRIORITY: 19729105 [DE 19729105], DE (Germany), July 08, 1997  
(19970708)

INTL CLASS: H04L-012/28 ; F02D-045/00; G06F-013/38; G07C-005/00;  
G01S-005/14

ABSTRACT

PROBLEM TO BE SOLVED: To transmit data obtained from operation parameters or measured values such as signals from sensors and switches placed in a vehicle to a fixed position device or a mobile device...

29/3,K/5 (Item 5 from file: 347)  
DIALOG(R) File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05998713 \*\*Image available\*\*  
METHOD OF RECORDING MEASURED DATA

PUB. NO.: 10-281813 [JP 10281813 A]

PUBLISHED: October 23, 1998 (19981023)  
INVENTOR(s): SEKI KAZUHIRO  
SATO TATSUYA  
APPLICANT(s): HIOKI EE CORP [399815] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 09-110380 [JP 97110380]  
FILED: April 10, 1997 (19970410)

INTL CLASS: G01D-009/00 ; G01D-009/28; G06F-017/40

ABSTRACT

...SOLUTION: A measuring device 1 comprises a temperature-humidity sensor 2, a CPU 5, an SRAM card 6, a ROM 7, a RAM 8. The CPU 5 carries out the number -of- measurements setting process for setting the number of measurement carried out continuously when the power source of the measuring device 1 is turned on...  
... the standard DOS(disk-operating-system) format. Then, the CPU 5 order the temperature- humidity sensor 2 to measure the temperature and humidity at a preset measuring time, operates the measured...

29/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO  
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05005244 \*\*Image available\*\*

PRODUCTION EQUIPMENT DIAGNOSTIC SYSTEM

PUB. NO.: 07-297844 [JP 7297844 A]  
PUBLISHED: November 10, 1995 (19951110)  
INVENTOR(s): KAKITA YUJI  
APPLICANT(s): TOYOB CO LTD [000316] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 06-083461 [JP 9483461]  
FILED: April 21, 1994 (19940421)

INTL CLASS: H04L-012/40 ; H04Q-009/00

ABSTRACT

...CONSTITUTION: In this production equipment diagnostic system provided with plural sensors 1 arranged in the measurement object part of a production equipment and a data processor 2 which processes values measured by sensors, each of plural sensors is provided with a slave station unit 3 for communication, and the data processor is...

... using these two transmission lines. Preferably, two electric wires are used as power supply lines. Sensors 1 mainly measure the abnormality of the mobile part and the fatigue of the fixed...

29/3,K/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

02538947 \*\*Image available\*\*

REDUCING SYSTEM FOR ERRONEOUS DECODING

PUB. NO.: 63-155847 [JP 63155847 A]  
PUBLISHED: June 29, 1988 (19880629)  
INVENTOR(s): YANAI SHINJI  
IGARASHI MASAO  
KAYA AKIO  
APPLICANT(s): AGENCY OF IND SCIENCE & TECHNOL [000114] (A Japanese  
Government or Municipal Agency), JP (Japan)  
APPL. NO.: 61-301188 [JP 86301188]  
FILED: December 19, 1986 (19861219)

JOURNAL: Section: E, Section No. 678, Vol. 12, No. 418, Pg. 105,  
November 07, 1988 (19881107)

INTL CLASS: H04L-027/22 ; H04L-025/03

ABSTRACT

... by a PSK demodulator, and an outputted reception phase .theta.is transmitted to a histogram **detector** 13 and to a decoder 16. The **detector** 13 converts the phase .theta. into the address signal of a RAM 25 by an... .it by an adder 26, and it is written again in the same address. The **detector** 13 repeats the **operations** until the initial **value** of a down-counter 22 comes to 1, and outputs a histogram detection completion signal. A peak **detector** 14 reads the contents of the RAM 25, and obtains the phase that the histogram comes to the maximum. A threshold controller 15 controls the **detector** 16 by using the result of the **detector** 14 so as to re-set the threshold.

29/3,K/8 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015695664 \*\*Image available\*\*

WPI Acc No: 2003-757857/200372

XRAM Acc No: C03-208147

XRPX Acc No: N03-607285

Process to regulate and control a dynamic electro-chemical process in electro-chemical storage or generation systems

Patent Assignee: MIR CHEM GMBH (MIRC-N)

Inventor: BUHLERT M; HASS E; PLATH P; SYDOW U; PLATH P J; UWE S

Number of Countries: 102 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10204705	A1	20030814	DE 1004705	A	20020205	200372 B
WO 200367343	A1	20030814	WO 2003DE364	A	20030204	200372

Priority Applications (No Type Date): DE 1004705 A 20020205

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 10204705	A1	9	B01J-019/00
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WO 200367343	A1	G	G05B-013/02
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

Abstract (Basic):

... for an assembly used in association with dynamic processes in electro-chemical systems. In the **process**, a number of measured parameters are continually registered and discretely logged. The data is then presented in an n...

...a data processing system. Different types of data collection systems may be employed e.g. **sensors** or measuring probes. The process is suitable for use in electro-chemical storage or generation...

Manual Codes (EPI/S-X): T06-A08 ...

29/3,K/9 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014951610    \*\*Image available\*\*  
WPI Acc No: 2003-012123/200301

Test apparatus and method for measuring offset of the same

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU )

Inventor: JUN H J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002050589	A	20020627	KR 200079776	A	20001221	200301 B

Priority Applications (No Type Date): KR 200079776 A 20001221

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002050589	A	1	G05B-023/02	

Abstract (Basic):

... A laser **sensor** (15) is used as distance measurer. A vision device includes a vision camera(21). The...

...loaded. An offset generating portion is used for generating an offset value between the laser **sensor** (15) and the vision camera(21). A test pattern(5) is used for **measuring** the offset **value**. A control portion controls an **operation** of the driving portion. The vision device is formed with the vision camera(21), a...

Manual Codes (EPI/S-X): **T06-A08**

29/3,K/10    (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014758916    \*\*Image available\*\*

WPI Acc No: 2002-579620/200262

XRPX Acc No: N02-459950

Sensor **has memory which stores count value of clock signal during operation , along with real operation**

Patent Assignee: TAMAGAWA SEIKI CO LTD (TAMA-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002168649	A	20020614	JP 2000368441	A	20001204	200262 B

Priority Applications (No Type Date): JP 2000368441 A 20001204

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002168649	A	3	G01D-001/00	

Sensor **has memory which stores count value of clock signal during operation , along with real operation**

International Patent Class (Additional): **G01D-009/00** ...

...Manual Codes (EPI/S-X): **T06-A08**

29/3,K/11    (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014564553    \*\*Image available\*\*

WPI Acc No: 2002-385256/200242

XRPX Acc No: N02-301661

Method for provision of measurement values for a process control system, in which determination of costs is based on the number of measurement values transferred from a sensor rather than on the cost of the sensor itself

Patent Assignee: ENDRESS & HAUSER GMBH & CO (ENDR )

Inventor: DITTRICH G

Number of Countries: 093 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1189036	A1	20020320	EP 2001107314	A	20010323	200242 B
US 20020040348	A1	20020404	US 2001862502	A	20010523	200242
WO 200225221	A1	20020328	WO 2001EP9033	A	20010804	200242
AU 200193722	A	20020402	AU 200193722	A	20010804	200252
EP 1319171	A1	20030618	EP 2001974110	A	20010804	200340
			WO 2001EP9033	A	20010804	

Priority Applications (No Type Date): DE 1046350 A 20000919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1189036	A1	G	8	G01D-009/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

US 20020040348	A1			G06F-017/60	
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WO 200225221	A1	G		G01D-009/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GR IE IT  
LU MC NL PT SE TR

AU 200193722	A			G01D-009/00	Based on patent WO 200225221
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EP 1319171	A1	G		G01D-009/00	Based on patent WO 200225221
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

Method for provision of measurement values for a process control system, in which determination of costs is based on the number of measurement values transferred from a sensor rather than on the cost of the sensor itself

Abstract (Basic):

Method for provision of measurement values for end customers in which the value of a process variable is measured using a sensor (S1, S2, S3), the value is transferred to a process control system (PLS), the number of transfer processes is counted and the customer is billed on the basis of the number of transfers of the...

International Patent Class (Main): G01D-009/00 ...

... G06F-017/60

Manual Codes (EPI/S-X): S02-K05 ...

... T06-A08

29/3, K/12 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013962939 \*\*Image available\*\*

WPI Acc No: 2001-447153/200148

XRPX Acc No: N01-330798

Process control apparatus for industrial plants, has display device performs reversal display of information regarding scale conversion of value input through keyboard of process input device

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001154729	A	20010608	JP 99333831	A	19991125	200148 B

Priority Applications (No Type Date): JP 99333831 A 19991125

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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## Abstract (Basic):

... scale conversion of value input through a keyboard (1) of a process input device. The process input device inputs sensor measured value in a plant. The converted numerical value corresponding to the input value is displayed.

...Manual Codes (EPI/S-X): T06-A08

29/3,K/13 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013828640 \*\*Image available\*\*

WPI Acc No: 2001-312852/200133

XRPX Acc No: N01-224570

Radio receiver such as pager, starts gain controller, when field strength of input signal reaches preset operation start electric field value

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU ); MATSUSHITA DENKI SANGYO KK (MATU )

Number of Countries: 002 Number of Patents: 002

## Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001077714	A	20010323	JP 99250625	A	19990903	200133 B
CN 1287411	A	20010314	CN 2000126449	A	20000901	200141

Priority Applications (No Type Date): JP 99250625 A 19990903

## Patent Details:

Patent No Kind Lan Pg Main IPC . Filing Notes

JP 2001077714 A 39 H04B-001/16

CN 1287411 A H04B-001/16

## Abstract (Basic):

... by gain controller. Field strength and error rate of input signal are detected, by respective detector (105) and measurement unit (109). Electric field value operation for starting gain control operation, is set by signal processor (107) based on detected error rate. Gain control operation is...

...International Patent Class (Additional): H04L-001/00

29/3,K/14 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013820438 \*\*Image available\*\*

WPI Acc No: 2001-304650/200132

XRPX Acc No: N01-218877

Operation assistance apparatus for incinerator, has guidance output section which outputs amount of operation to be performed

Patent Assignee: KUBOTA CORP (KUBI )

Number of Countries: 001 Number of Patents: 001

## Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001075635	A	20010323	JP 99248096	A	19990902	200132 B

Priority Applications (No Type Date): JP 99248096 A 19990902

## Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 2001075635 A 5 G05B-023/02

## Abstract (Basic):

... The operation condition is recognized based on the process value of controlled variable measured by sensor. The process value with short control period is compared with the previously set

desired value. The calculation section...  
Manual Codes (EPI/S-X): T06-A08 ...

29/3,K/15 (Item 8 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013775378 \*\*Image available\*\* /  
WPI Acc No: 2001-259589/200127  
XRPX Acc No: N01-185238

Mailpiece sorting method e.g. for letters, parcels and the like requires less stopping of the sorting process for bin emptying  
Patent Assignee: PITNEY BOWES INC (PITB )  
Inventor: GOTTLIEB R K; MALLOZZI J D; MANGIAMELLI C; MANGIAMELLI C  
Number of Countries: 027 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1084770	A2	20010321	EP 2000119473	A	20000915	200127 B
CA 2319304	A1	20010315	CA 2319304	A	20000914	200128
US 6283304	B1	20010904	US 99396835	A	19990915	200154

Priority Applications (No Type Date): US 99396835 A 19990915

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1084770	A2	E	7	B07C-003/00	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2319304	A1	E		B07C-009/00	
US 6283304	B1			B07C-005/12	

Abstract (Basic):

... If a bin is partially full to the level of the sensor ; the process performs an addition of thicknesses of all of the mailpieces which are in the mailpiece delivery system, but...  
...International Patent Class (Additional): G06F-017/60

29/3,K/16 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013667010 \*\*Image available\*\*  
WPI Acc No: 2001-151222/200116  
XRPX Acc No: N01-111175

Binary phase shift keying demodulation circuit in non-contact type IC card system, includes output inverter to preset the output, when flag is output, into which detection pulse is input  
Patent Assignee: SHINKO DENKI KOGYO KK (SHIA )  
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000307465	A	20001102	JP 99112192	A	19990420	200116 B

Priority Applications (No Type Date): JP 99112192 A 19990420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000307465	A		9	H04B-001/59	

Abstract (Basic):

... A flag generator (56c) clears counter output and outputs flag (h), if count value corresponding to count operation performed synchronized with the clock (CK2) from a clock generator (56a) reaches predetermined value and when a detection pulse (PhO) is input from phase switching detector (56b). An output inverter (56g) into which detection pulse is input, presets the output (e...

29/3,K/17 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013606769 \*\*Image available\*\*

WPI Acc No: 2001-090977/200110

XRPX Acc No: N01-068969

Non-invasive blood pressure measurement device for use in hospital, has non-volatile memory carried by blood pressure sensor to store sensor information

Patent Assignee: MEDWAVE INC (MEDW-N)

Inventor: CURRAN T G

Number of Countries: 090 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200071021	A1	20001130	WO 2000US10606	A	20000420	200110 B
AU 200042508	A	20001212	AU 200042508	A	20000420	200115
US 6241679	B1	20010605	US 99317291	A	19990524	200133

Priority Applications (No Type Date): US 99317291 A 19990524

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200071021 A1 E 41 A61B-005/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200042508 A A61B-005/00 Based on patent WO 200071021

US 6241679 B1 A61B-005/00

Abstract (Basic):

Blood pressure (BP) sensor with transducer and pressed against artery to output BP signals, has non-volatile memory (28A) storing sensor information including number of measurement cycles, cumulative operation time, transducer calibration data, test time and date. Memory also stores sensor initialization, expiration, serial number and model type data based on which data manipulation algorithms are...

...Manual Codes (EPI/S-X): S02-K05

29/3,K/18 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

012575968 \*\*Image available\*\*

WPI Acc No: 1999-382075/199932

XRPX Acc No: N99-286816

Burst signal detector in digital demodulator for wireless communication system e.g. mobile and satellite communication systems - judges burst signal level based on comparison result of correlator output and set threshold value, and performs delay addition process to output signal of correlator

Patent Assignee: TOYO COMMUNICATION EQUIP CO (TOCM )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11150573	A	19990602	JP 97332453	A	19971117	199932 B

Priority Applications (No Type Date): JP 97332453 A 19971117

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 11150573 A 7 H04L-027/22

Burst signal detector in digital demodulator for wireless communication system e.g. mobile and satellite communication systems...  
...judges burst signal level based on comparison result of correlator output and set threshold value, and performs delay addition process to output signal of correlator  
International Patent Class (Main): H04L-027/22  
International Patent Class (Additional): H04L-007/00 ...  
... H04L-027/227.

29/3,K/19 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

012486408 \*\*Image available\*\*

WPI Acc No: 1999-292516/199925

XRPX Acc No: N99-219098

Numerically controlled machine tool failure data storage device for fault analysis - stores co-ordinate data of fast head stock, grindstone base and load data of each motor when measured load torque of main shaft motors exceeds warning threshold value

Patent Assignee: TOYODA MACHINE WORKS LTD (TOZK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11095820	A	19990409	JP 97250833	A	19970916	199925 B

Priority Applications (No Type Date): JP 97250833 A 19970916

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 11095820 A 7 G05B-019/18

...Abstract (Basic): base (11) and load data of each motor are recorded by a recorder. When the measured torque exceeds abnormal threshold value, the operation is immediately stopped and the failure analysis is performed using the stored data. DETAILED DESCRIPTION - Current sensors (17-19) measures the load torque of grindstone shaft motor and main shaft motor. A...

...Manual Codes (EPI/S-X): T06-A08

29/3,K/20 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012304531 \*\*Image available\*\*

WPI Acc No: 1999-110637/199910

XRPX Acc No: N99-080509

Oscillation diagnosis apparatus for rotary machines - compares determined rotation value with threshold level, based on which absolute amplitude variation rate is computed for each operation condition

Patent Assignee: TOSHIBA ENG KK (TOSB ); TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10333742	A	19981218	JP 97153148	A	19970528	199910 B

Priority Applications (No Type Date): JP 97153148 A 19970528

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 10333742 A 13 G05B-023/02

...Abstract (Basic): NOVELTY - The operation condition of rotator is judged

based on set **process** data. The threshold abnormal **value** is compared with **measured** data for each operation condition by a **detector**. Based on the comparison, the vibration amplitude variation rate is determined and stored in a...

...Manual Codes (EPI/S-X): **T06-A08**

**29/3,K/21 (Item 14 from file: 350)**

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011986376 \*\*Image available\*\*  
WPI Acc No: 1998-403286/199835  
XRPX Acc No: N98-314272

Abnormality detector of microcomputer - judges control program execution which is not performed normally, when count value of counter is not equal to predetermined value

Patent Assignee: NISSAN MOTOR CO LTD (NSMO ); UNISIA JECS CORP (NIEJ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10161909	A	19980619	JP 96318013	A	19961128	199835 B

Priority Applications (No Type Date): JP 96318013 A 19961128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10161909	A	5		G06F-011/30	

...Abstract (Basic): The **detector** includes a **program counter** that **counts** **number** of **processes** that are executed. A CPU (1b) executes multiple processes corresponding to a control program in...

...Manual Codes (EPI/S-X): **T06-A08**

**29/3,K/22 (Item 15 from file: 350)**

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011849016 \*\*Image available\*\*  
WPI Acc No: 1998-265926/199824

Related WPI Acc No: 1993-103808; 1998-265924; 1998-265925; 2001-034896

XRAM Acc No: C98-082824

XRPX Acc No: N98-209669

Display of operation data of injection moulder - where microcomputer converts and processes the inputted actual measurement data according to indication of an operator, and the graphic image of the mould opening closing stroke

Patent Assignee: TOYO KIKAI KINZOKU KK (TOXY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10086202	A	19980407	JP 91229766	A	19910816	199824 B
			JP 97206749	A	19910816	

Priority Applications (No Type Date): JP 91229766 A 19910816; JP 97206749 A 19910816

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10086202	A	9	B29C-045/76	Div ex application	JP 91229766

...Abstract (Basic): 1) is provided to drive and control each part of machine based on a set **operation** condition **value** and **measurement** information from each **sensor** (2). The microcomputer (1) executes a series of moulding operation strokes, such as a charge...

Manual Codes (EPI/S-X): **T06-A08**

29/3,K/23 (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011605594 \*\*Image available\*\*  
WPI Acc No: 1998-022722/199803  
XRPX Acc No: N98-017283

Plant monitoring apparatus with process value measuring function -  
detects accuracy of measured value by comparing engineering value with  
set of predetermined conditions using predetermined error propagation  
rule on detection principle of sensor

Patent Assignee: HITACHI LTD (HITA ); SHOWA ENG KK (SHOW-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9280900	A	19971031	JP 9693883	A	19960416	199803 B

Priority Applications (No Type Date): JP 9693883 A 19960416

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9280900	A	9		G01D-007/02	

Plant monitoring apparatus with process value measuring function...  
...value with set of predetermined conditions using predetermined error  
propagation rule on detection principle of sensor  
...Manual Codes (EPI/S-X): T06-A08

29/3,K/24 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010668753 \*\*Image available\*\*  
WPI Acc No: 1996-165707/199617  
XRPX Acc No: N96-139249

Signal disconnection monitoring circuit - detects stop in count operation  
when count value of first counter is monitored and does not change for  
predetermined period

Patent Assignee: NEC CORP (NIDE )

Inventor: MASUDA H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8046603	A	19960216	JP 94178732	A	19940729	199617 B
US 5568529	A	19961022	US 95506966	A	19950728	199648

Priority Applications (No Type Date): JP 94178732 A 19940729

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8046603	A	9		H04L-007/00	
US 5568529	A	9		G07C-003/02	

...Abstract (Basic): count operation of the first counter, when the count  
value is bigger than the predefined value . A count operation stop  
detector detects the stop in count operation when the count  
value is monitored and does not change for a predetermined period. The  
count operation is stopped

International Patent Class (Main): G07C-003/02 ...

... H04L-007/00

International Patent Class (Additional): H04L-025/02

29/3,K/25 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

010609114 \*\*Image available\*\*

WPI Acc No: 1996-106067/199611

XRPX Acc No: N96-088810

Field mounted transmitter esp. for use in two-wire process control loop - has sensor to sense process variable for transmission over control loop by measurement circuit, with power supply for powering measurement circuitry

Patent Assignee: ROSEMOUNT INC (ROEC )

Inventor: PIECHOWSKI T A; VOEGELE K D

Number of Countries: 024 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Appl/cat No	Kind	Date	Week	
WO 9602874	A2	19960201	WO 95US8198	A	19950628	199611	B
WO 9602874	A3	19960314	WO 95US8198	A	19950628	199630	
US 5535243	A	19960709	US 94274385	A	19940713	199633	
EP 770231	A1	19970502	EP 95926606	A	19950628	199722	
			WO 95US8198	A	19950628		
JP 10503039	W	19980317	WO 95US8198	A	19950628	199821	
			JP 96505040	A	19950628		
MX 9700253	A1	19970501	MX 97253	A	19970108	199823	
BR 9508393	A	19990629	BR 958393	A	19950628	199937	
			WO 95US8198	A	19950628		
CN 1152963	A	19970625	CN 95194117	A	19950628	200134	
JP 3431163	B2	20030728	WO 95US8198	A	19950628	200351	
			JP 96505040	A	19950628		

Priority Applications (No Type Date): US 94274385 A 19940713

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9602874 A2 E 16 G05B-000/00

Designated States (National): BR CA CN JP MX RU SG

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

WO 9602874 A3 G05B-000/00

US 5535243 A 8 H04L-027/04

EP 770231 A1 E 16 G05B-011/00

Based on patent WO 9602874

Designated States (Regional): DE FR GB

JP 10503039 W 16 G08C-019/02

Based on patent WO 9602874

MX 9700253 A1 G05B-019/042

BR 9508393 A H02J-001/06

CN 1152963 A G05B-019/042

JP 3431163 B2 8 G08C-019/02

Previous Publ. patent JP 10503039

Based on patent WO 9602874

...Abstract (Basic): The transmitter comprises a **sensor**, a measurement circuit, a power supply circuit, a modulation circuit and a startup circuit. The **sensor** senses a process variable. A signal is transmitted over a control loop, indicative of a value of the process variable, by the measurement circuitry...

...International Patent Class (Main): H04L-027/04

...International Patent Class (Additional): H04L-027/12 ...

... H04L-027/20

1,

29/3,K/26 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010410281

WPI Acc No: 1995-311630/199540

XRAM Acc No: C95-138786

XRPX Acc No: N95-235317

Field transmitter for use in process control loop - has interface to couple transmitter to control loop for transfer of information to and

receiving power over control loop  
Patent Assignee: ROSEMOUNT INC (ROEC )

Inventor: BISCHOFF B J; LENZ G A

Number of Countries: 023 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9523361	A1	19950831	WO 95US1294	A	19950202	199540	B
EP 746804	A1	19961211	EP 95908768	A	19950202	199703	
			WO 95US1294	A	19950202		
JP 9509512	W	19970922	JP 95522351	A	19950202	199748	
			WO 95US1294	A	19950202		
MX 9602687	A1	19970501	MX 962687	A	19960709	199823	
US 5754596	A	19980519	US 94200626	A	19940223	199827	
			US 96618330	A	19960319		
SG 50698	A1	19980720	SG 969047	A	19950202	199838	
RU 2143129	C1	19991220	WO 95US1294	A	19950202	200043	
			RU 96120082	A	19950202		
CN 1141679	A	19970129	CN 95191720	A	19950202	200051	
MX 191235	B	19990212	MX 962687	A	19960709	200055	
EP 746804	B1	20010905	EP 95908768	A	19950202	200152	
			WO 95US1294	A	19950202		
DE 69522552	E	20011011	DE 622552	A	19950202	200168	
			EP 95908768	A	19950202		
			WO 95US1294	A	19950202		

Priority Applications (No Type Date): US 94200626 A 19940223; US 96618330 A 19960319

Patent Details:

Patent No	Kind	Land Pg	Main IPC	Filing Notes
WO 9523361	A1	E	24 G05B-019/042	
			Designated States (National): CA CN JP MX RU	
			Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE	
EP 746804	A1	E	G05B-019/042	Based on patent WO 9523361
			Designated States (Regional): DE FR GB	
JP 9509512	W	23	G05B-019/04	Based on patent WO 9523361
MX 9602687	A1		G05B-019/042	
US 5754596	A		H04L-027/04	Cont of application US 94200626
SG 50698	A1		G05B-019/042	
RU 2143129	C1		G05B-015/02	Based on patent WO 9523361
CN 1141679	A		G05B-019/042	
MX 191235	B		H04L-027/004	
EP 746804	B1	E	G05B-019/042	Based on patent WO 9523361
			Designated States (Regional): DE FR GB	
DE 69522552	E		G05B-019/042	Based on patent EP 746804
				Based on patent WO 9523361

...Abstract (Basic): The transmitter comprises a **sensor**, an analog-to-digital converter, an interface, a clock, a memory and a control circuit. The **sensor** measures a value of a process variable. The analog-to-digital converter is coupled to the **sensor** to provide a digitised process variable at a sample time. Information and receiving power is...

...International Patent Class (Main): H04L-027/004 ...

... H04L-027/04

29/3, K/27 (Item 20 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010207405 \*\*Image available\*\*

WPI Acc No: 1995-108659/199515

XRPX Acc No: N95-085881

Data processing system for monitoring of process plant operation - has

range of sensor outputs digitised and processed to identify symptom in diagnostic process and to indicate actions

Patent Assignee: SIEMENS AG (SIEI )

Inventor: FANDRICH J; GRIFFITHS A; MUELLER H; MULLER H

Number of Countries: 009 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 643345	A1	19950315	EP 94113223	A	19940824	199515 B
US 5625574	A	19970429	US 94300434	A	19940902	199723
EP 643345	B1	19981021	EP 94113223	A	19940824	199846
DE 59407119	G	19981126	DE 507119	A	19940824	199902
			EP 94113223	A	19940824	
ES 2123692	T3	19990116	EP 94113223	A	19940824	199909

Priority Applications (No Type Date): DE 4329714 A 19930902

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 643345	A1	G	15 G05B-023/02	
-----------	----	---	----------------	--

Designated States (Regional): CH DE ES FR GB IT LI SE

US 5625574	A	12	G06F-015/00	
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EP 643345	B1	G	G05B-023/02	
-----------	----	---	-------------	--

Designated States (Regional): CH DE ES FR GB IT LI SE

DE 59407119	G		G05B-023/02	Based on patent EP 643345
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ES 2123692	T3		G05B-023/02	Based on patent EP 643345
------------	----	--	-------------	---------------------------

...Abstract (Basic): system (20) provides power for the operation of a generator (16) system. A range of process parameter sensors provide measured values (MW) for output to a coupling or interface unit (6). The valves are digitised and...

Manual Codes (EPI/S-X): T06-A08 ...

29/3,K/28 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010085452 \*\*Image available\*\*

WPI Acc No: 1994-353165/199444

XRPX Acc No: N94-277401

Digital signal processing appts. with microcomputer control - has coincidence detectors comparing program counter and register values one-by-one, and loop counter and register data, with data being read from data bus w.r.t. both detector outputs NoAbstract

Patent Assignee: TOSHIBA AVE KK (TOSA ); TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6276258	A	19940930	JP 9361798	A	19930322	199444 B

Priority Applications (No Type Date): JP 9361798 A 19930322

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

JP 6276258	A	8	H04L-029/14	
------------	---	---	-------------	--

... has coincidence detectors comparing program counter and register values one-by-one, and loop counter and register data, with data being read from data bus w.r.t. both detector outputs NoAbstract

International Patent Class (Main): H04L-029/14

29/3,K/29 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009321846 \*\*Image available\*\*

WPI Acc No: 1993-015310/199302

XRPX Acc No: N93-011620

Alarm indication signal detector for data communication system -  
counts level "1" output of operation circuit which outputs level  
"0" when both clock signal and data signal are level "1" NoAbstract

Patent Assignee: FUJITSU LTD (FUIT )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4345224	A	19921201	JP 91118279	A	19910523	199302 B

Priority Applications (No Type Date): JP 91118279 A 19910523

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 4345224	A	4	H04B-017/00	

Alarm indication signal detector for data communication system...

... counts level "1" output of operation circuit which outputs level  
"0" when both clock signal and data signal are level "1" NoAbstract

International Patent Class (Additional): H04L-029/14

29/3,K/30 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008572570 \*\*Image available\*\*

WPI Acc No: 1991-076603/199111

XRPX Acc No: N91-059120

Dual line back-up type local area network trouble detector - sets  
standby channel in operation when number of asynchronous pulse count  
results exceed reference NoAbstract Dwg 1/2

Patent Assignee: NEC CORP (NIDE ); NIPPON DENKI ENG KK (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 3022647	A	19910131	JP 89157696	A	19890619	199111 B

Priority Applications (No Type Date): JP 89157696 A 19890619

Dual line back-up type local area network trouble detector - ...

...sets standby channel in operation when number of asynchronous pulse  
count results exceed reference NoAbstract Dwg 1/2

...International Patent Class (Additional): H04L-012/42

29/3,K/31 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008278263 \*\*Image available\*\*

WPI Acc No: 1990-165264/199022

XRPX Acc No: N90-128305

Serial data transfer circuit clock generator - generates clock of  
frequency N times data transfer rate in phase with clock included with  
received serial data

Patent Assignee: NEC CORP (NIDE )

Inventor: KATAYOSE T; MAEHASHI Y

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 370528	A	19900530	EP 89121853	A	19891127	199022 B
JP 2216513	A	19900829	JP 89297002	A	19891114	199041
US 4989223	A	19910129	US 89441112	A	19891127	199107
EP 370528	A3	19920115	EP 89121853	A	19891127	199321
EP 370528	B1	19950301	EP 89121853	A	19891127	199513

DE 68921429 E 19950406 DE 621429 A 19891127 199519  
EP 89121853 A 19891127

Priority Applications (No Type Date): JP 88298512 A 19881125

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 370528 A

Designated States (Regional): DE FR GB

EP 370528 B1 E 32 H04L-007/033

Designated States (Regional): DE FR GB

DE 68921429 E H04L-007/033 Based on patent EP 370528

...Abstract (Equivalent): input clock. A first comparison register is provided for comparing a count value of the counter with a first programmable predetermined value at each one counting operation of the counter, so as to generate a first coincidence signal when the count value of the counter... .

...predetermined value. A second comparison register is provided for comparing the count value of the counter with a second programmable predetermined value at each one counting operation of the counter, so as to generate a second coincidence signal when the count value of the counter... .

International Patent Class (Main): H04L-007/033

...International Patent Class (Additional): H04L-007/03

29/3,K/32 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008020349 \*\*Image available\*\*

WPI Acc No: 1989-285461/198939

XRPX Acc No: N89-217889

Control for image recorder e.g. laser printer - has display coupled to history data store for selectively showing at one time selected subsets of stored data

Patent Assignee: RICOH KK (RICOH)

Inventor: NAKAZATO Y; TANAKA H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4855754	A	19890808	US 8774280	A	19870716	198939 B

Priority Applications (No Type Date): JP 86U110631 U 19860721

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 4855754 A 7

...Abstract (Basic): The control system comprises a failure detector for sensing various kinds of failures which occur in the image recorder. A photoconductive element replacement detector senses replacement of a photoconductive element used in an image-forming process. A print number counter counts a number of prints produced by individual photoconductive elements... .

International Patent Class (Additional): G01D-009/00

29/3,K/33 (Item 26 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

007615901 \*\*Image available\*\*

WPI Acc No: 1988-249833/198835

XRPX Acc No: N88-190272

Alphanumeric data and measurement entry method - having caliper gauge

with slide which moves over alphanumeric graduated scale and enters  
corresp. measurement in encoded form

Patent Assignee: THOMESTO OY (THOM-N); LUIKKO H (LUIK-I)

Inventor: LUIKKO H

Number of Countries: 017 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8806278	A	19880825	WO 88FI20	A	19880209	198835	B
NO 8804392	A	19881205				198903	
ES 2006308	A	19890416	ES 88358	A	19880209	198942	
EP 348404	A	19900103	EP 88901605	A	19880209	199002	
US 5022162	A	19910611	US 89382697	A	19890809	199126	
CA 1303349	C	19920616	CA 558585	A	19880210	199230	
EP 348404	B1	19930512	EP 88901605	A	19880209	199319	
			WO 88FI20	A	19880209		
DE 3881036	G	19930617	DE 3881036	A	19880209	199325	
			EP 88901605	A	19880209		
			WO 88FI20	A	19880209		
NO 176222	B	19941114	WO 88FI20	A	19880209	199445	
			NO 884392	A	19881004		

Priority Applications (No Type Date): FI 87533 A 19870210

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8806278 A E 20

Designated States (National): DK NO SU US

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 348404 A E

Designated States (Regional): AT CH DE FR GB LI SE

EP 348404 B1 E 12 G01D-009/00 Based on patent WO 8806278

Designated States (Regional): AT CH DE FR GB LI SE

DE 3881036 G G01D-009/00 Based on patent EP 348404

Based on patent WO 8806278

NO 176222 B G01D-009/00 patent NO 8804392

CA 1303349 C G01B-007/00

...Abstract (Equivalent): having a memory, a programmable recording unit  
coupled to the memory, a movable element, a **sensor** for detecting the  
position of the movable element, and a single activator coupled to the

...activator to store values in the memory. The recording unit interprets  
the output of the **sensor** as a **measurement value** when operating in  
the first **program** portion and as an alphanumeric **value** when  
operating in the second **program** portion. The activator is activated a  
first time when operating in one of the two...

International Patent Class (Main): G01D-009/00

...Manual Codes (EPI/S-X): S02-K05

29/3,K/34 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

004409684

WPI Acc No: 1985-236562/198539

XRPX Acc No: N85-177217

Local area network for data transmission - has fibre optic cable where  
data collision detector measures optical attenuation for level of  
night sensing process

Patent Assignee: INT STANDARD ELECTRIC CORP (INTT ); STANDARD TEL & CABLES  
PLC (STTE )

Inventor: DEAN A

Number of Countries: 009 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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BE 901897	A	19850909	BE 901897	A	19850308	198539	B
GB 2155718	A	19850925	GB 846077	A	19840308	198539	
EP 158431	A	19851016	EP 85301477	A	19850304	198542	
AU 8539115	A	19850912				198544	
JP 61001143	A	19860107	JP 8544970	A	19850308	198607	
GB 2155718	B	19870128				198704	
US 4641375	A	19870203	US 85708995	A	19850307	198707	
CN 8504635	A	19861224				198750	

Priority Applications (No Type Date): GB 846077 A 19840308

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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BE 901897	A	14		
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EP 158431	A	E		
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Designated States (Regional): DE FR SE

... has fibre optic cable where data collision detector measures optical attenuation for level of night sensing process

... International Patent Class (Additional): H04L-005/14 ...

... H04L-011/16

29/3, K/35 (Item 28 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

003860924

WPI Acc No: 1984-006451/198402

XRPX Acc No: N84-004696

Measuring and monitoring system for pressure reservoir - measures necessary working characteristics for every demand by sensors or processes measured values in microcomputer

Patent Assignee: KORKMAZ F (KORK-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3224136	A	19831229	DE 3224136	A	19820629	198402 B

Priority Applications (No Type Date): DE 3224136 A 19820629

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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DE 3224136	A	8		
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... measures necessary working characteristics for every demand by sensors or processes measured values in microcomputer

... Manual Codes (EPI/S-X): T06-A08

29/3, K/36 (Item 29 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

003832962

WPI Acc No: 1983-829212/198348

Dial-pulse receiver for telex line - has pulse detector and processes counted value. NoAbstract Dwg 0/2

Patent Assignee: NIPPON ELECTRIC CO (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 58178649	A	19831019				198348 B

Priority Applications (No Type Date): JP 8262211 A 19820413

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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JP 58178649	A	6		
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... has pulse detector and processes counted value . NoAbstract

Dwg 0/2

International Patent Class (Additional): H04L-011/02

29/3,K/37 (Item 30 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

002322331

WPI Acc No: 1980-C8765C/198013

Radio noise signal search appts. - passes signal through AFC, discriminators, correlators and detectors for max. level switched counter -scanner operation

Patent Assignee: CORRESP COMMUN ELEC (CORR-R)

Inventor: TEREKHOV B D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Appl/cat No	Kind	Date	Week
SU 674224	A	19790715			198013	B

Priority Applications (No Type Date): SU 2555204 A 19771215

... passes signal through AFC, discriminators, correlators and detectors for max. level switched counter -scanner operation

...International Patent Class (Additional): H04L-001/10

37/TI,PY,AZ/1 (Item 1 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

07483506  
MAINTENANCE MANAGEMENT SYSTEM FOR DRIVING DEVICE

PUBLISHED: December 06, 2002 (20021206)

37/TI,PY,AZ/2 (Item 2 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

07057534  
GROUND IMAGE DISTRIBUTION SYSTEM AND GROUND IMAGE SERVICE METHOD

PUBLISHED: October 12, 2001 (20011012)

37/TI,PY,AZ/3 (Item 3 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

06865496  
TICKET ISSUING MACHINE

PUBLISHED: April 06, 2001 (20010406)

37/TI,PY,AZ/4 (Item 4 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

06795498  
PARKING LOT MANAGING DEVICE FOR ENABLING ENTERING, SETTLEMENT OF ACCOUNTS AND LEAVING BY INPUTTING NUMERICAL VALUE CAPABLE OF AUTHENTICATING IDENTITY OF CUSTOMER WITH RESPECT TO ENTERING/LEAVING OF PARKING LOT

PUBLISHED: January 26, 2001 (20010126)

37/TI,PY,AZ/5 (Item 5 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

06642162  
POS TERMINAL EQUIPMENT

PUBLISHED: August 15, 2000 (20000815)

37/TI,PY,AZ/6 (Item 6 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

06452600  
MEASURING DEVICE FOR MEASURED VARIABLE OF FRONT CAR ESPECIALLY TRACTOR AND/OR MEASURED VARIABLE OF TRAILER OR SEMITRAILER COUPLED ON TO FRONT CAR

PUBLISHED: February 08, 2000 (20000208)

37/TI,PY,AZ/7 (Item 7 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

05683080  
VENDING MACHINE

PUBLISHED: November 18, 1997 (19971118)

37/TI,PY,AZ/8 (Item 8 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

05343630  
DAILY DISH SELLING SYSTEM FOR AGED AND SMALL FAMILIES AGE

PUBLISHED: November 19, 1996 (19961119)

37/TI,PY,AZ/9 (Item 9 from file: 347)  
DIALOG(R)File 347:(c) 2003 JPO & JAPIO. All rts. reserv.

01988762  
AUTOMATIC COLLECTOR OF CHARGE FOR STATIONARY FACILITIES UTILIZATION

PUBLISHED: September 08, 1986 (19860908)

37/TI,PY,AZ/10 (Item 1 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

015647768  
Charge determining device for electric storage battery, has electronic system for detecting operational value of battery to drive charge condition from voltage value that are applied on output terminals of battery

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030137303	A1	20030724	US 2003335729	A	20030102	200367 B
GB 2385675	A	20030827	GB 20031232	A	20030120	200367
JP 2003279630	A	20031002	JP 200313957	A	20030122	200367
CN 1434303	A	20030806	CN 2003103371	A	20030123	200369

37/TI,PY,AZ/11 (Item 2 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

015626320  
Wide area network enable equipment condition monitoring system for remotely located machines, has analysis server in remote site to analyze collected signal by using empirical model

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030126258	A1	20030703	US 2000183899	P	20000222	200365 B
			US 2001791097	A	20010222	
			US 2002328254	A	20021223	

37/TI,PY,AZ/12 (Item 3 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

015492397  
Communication device e.g. modem, adjusts transmission power of transceiver when OFF-hook state of plain old telephone system is determined based on transmission characteristics of wire line pair

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6563864	B1	20030513	US 9873613	P	19980204	200352 B
			US 98216082	A	19981218	

37/TI,PY,AZ/13 (Item 4 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

015443196  
Sensor device for performing measurements on a partially conductive

surface for packaging solution for a linear, AC impedance based  
fingerprint sensor

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200349012	A2	20030612	WO 2002NO467	A	20021206	200347 B
NO 200106008	A	20030610	NO 20016008	A	20011207	200349

37/TI,PY,AZ/14 (Item 5 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

015406199

Medical device, useful for measuring blood-glucose level, comprises test cards at specified distances and positions in a box, and illuminator built in box to enable diffuse beam to illuminate test cards and fall on sensory receptors

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200337174	A1	20030508	WO 2002CA1678	A	20021031	200344 B
HU 200104610	A1	20030630	HU 20014610	A	20011031	200354

37/TI,PY,AZ/15 (Item 6 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

015394359

Digital conversion adapter for level meter of fuel tanks, has encoded disc which rotates in response to rotation of magnet located adjacent to magnet of level meter

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030041665	A1	20030306	US 2001948327	A	20010906	200343 B
WO 200321198	A2	20030313	WO 2002IB4117	A	20020905	200343
US 6606906	B2	20030819	US 2001948327	A	20010906	200356

37/TI,PY,AZ/16 (Item 7 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

015378155

Diagnostic system for monitoring catalyst performance in exhaust system, e.g. direct injection gasoline system, comprises treatment devices, gas sensors and on-board diagnostic system coupled to gas sensors

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030032188	A1	20030213	US 2001927718	A	20010810	200341 B
EP 1286028	A2	20030226	EP 200277919	A	20020718	200341

37/TI,PY,AZ/17 (Item 8 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

015365408

Water-quality management service system for medical, industrial applications, supplies desired water-quality detection result collected from water-treatment installation, on charge basis, in response to customer request

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003141310	A	20030516	JP 2001341622	A	20011107	200340 B

37/TI,PY,AZ/18 (Item 9 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

015267891

Customer conversion system in retail stores, includes CCS sensor interface unit which connects output activity sensors to input of data processor

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020190858	A1	20021219	US 2001850485	A	20010507	200331 B

37/TI,PY,AZ/19 (Item 10 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

015148502

Transducer element interfacing method for network, involves utilizing adaptable transducer interface to remotely interface with transducer element whose operating characteristics are converted into user data

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020147936	A1	20021010	US 2001829128	A	20010409	200320 B

37/TI,PY,AZ/20 (Item 11 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014968770

Power management method for electrical equipment such as computers, involves computing endurance of battery which is to supply power to electrical equipment, when primary power source fails

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020138772	A1	20020926	US 2001814596	A	20010322	200302 B

37/TI,PY,AZ/21 (Item 12 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014729722

Electronic taximeter in which cost of tolls passed through are automatically added to customers account, meter has GPS and cellular radio and/or phone facility

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1217587	A1	20020626	EP 2001420233	A	20011205	200259 B
US 20020120590	A1	20020829	US 200125682	A	20011226	200259
CA 2364141	A1	20020622	CA 2364141	A	20011211	200259
FR 2818782	A1	20020628	FR 200016939	A	20001222	200259

37/TI,PY,AZ/22 (Item 13 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014704107

Industrial machine maintenance information transmitting system produces maintenance report based on obtained maintenance information including maintenance expense and transmits maintenance report to customer

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002175377	A	20020621	JP 2000370933	A	20001206	200256 B

37/TI,PY,AZ/23 (Item 14 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014571781

Video recording device for recording video images before and after triggering event, has image sensor, central control processor, converter coupled between sensor and processor, and memory.

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020005895	A1	20020117	US 97906493	A	19970805	200242 B
			US 2001947393	A	20010907	

37/TI,PY,AZ/24 (Item 15 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014539219

Network billing method e.g. for global computer network, involves receiving successful download response from client, based on which access cost is deducted from credit

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NZ 506702	A	20011221	NZ 506702	A	20000904	200239 B

37/TI,PY,AZ/25 (Item 16 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014521568

Silent router for communication with home internet appliance, matches number provided through CLI with number in appliance for picking up telephone line before ringing signal reception

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1187407	A2	20020313	EP 2001307661	A	20010910	200238 B

37/TI,PY,AZ/26 (Item 17 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014447509

Transferring information for display involves using point-to-point transfer system for traffic density, alarms, pollen count, sun intensity and other values

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200186951	A1	20011115	WO 2001SE1003	A	20010509	200231 B
AU 200156916	A	20011120	AU 200156916	A	20010509	200231
EP 1287690	A1	20030305	EP 2001930385	A	20010509	200319
			WO 2001SE1003	A	20010509	

37/TI,PY,AZ/27 (Item 18 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014434519

Life support services intermediary method for solitary elderly people status checking system, involves notifying unusual situation to service providers, when customer status is determined to be abnormal

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010053985	A1	20011220	US 2000746078	A	20001226	200230 B
JP 2001338043	A	20011207	JP 2000154504	A	20000525	200230

37/TI,PY,AZ/28 (Item 19 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014417518

Talking toy has mode selection circuit which sets parameters that substantially determine personality of character represented by talking toy

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010041496	A1	20011115	US 2000204422	P	20000513	200229 B
			US 2001854215	A	20010511	
US 6585556	B2	20030701	US 2000204422	P	20000513	200345
			US 2001854215	A	20010511	

37/TI,PY,AZ/29 (Item 20 from file: 350)  
 DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014309852

Providing work machine to customer with determined productivity using computer to calculate productivity of machine and select guaranteed productivity support agreement

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200193654	A2	20011213	WO 2001US16362	A	20010518	200217 B
AU 200163334	A	20011217	AU 200163334	A	20010518	200225
GB 2379512	A	20030312	WO 2001US16362	A	20010518	200327
			GB 200224129	A	20021017	

37/TI,PY,AZ/30 (Item 21 from file: 350)  
 DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

014067149

Virtual reality three dimensional visual display system for display of products (automobiles) to a potential customer

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1124174	A1	20010816	EP 2001400333	A	20010209	200162 B
FR 2805056	A1	20010817	FR 20001639	A	20000210	200162

37/TI,PY,AZ/31 (Item 22 from file: 350)  
 DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013964809

Advertising device using mirror and advertising method

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001002296	A	20010115	KR 9922038	A	19990614	200148 B
KR 302021	B	20010922	KR 9922038	A	19990614	200230

37/TI,PY,AZ/32 (Item 23 from file: 350)  
 DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013956838

Remotely interactive metering system e.g. for electricity metering, has meter reading collection hub connected to sensors interfaced with several meters, which transmits data to centralized meter reading server

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200115114	A1	20010301	WO 2000GB3231	A	20000821	200147 B
AU 200067101	A	20010319	AU 200067101	A	20000821	200147
EP 1208551	A1	20020529	EP 2000954743	A	20000821	200243
			WO 2000GB3231	A	20000821	
JP 2003507825	W	20030225	WO 2000GB3231	A	20000821	200317
			JP 2001519399	A	20000821	

37/TI,PY,AZ/33 (Item 24 from file: 350)  
 DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013746430

Image display device in supermarket, has controller that moves image display face vertically and horizontally based on human body sensor output

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001034252	A	20010209	JP 99203618	A	19990716	200124 B

37/TI,PY,AZ/34 (Item 25 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013639261

Refuse and recyclable materials collection system has collecting unit to compact, haul and eject collected materials from dumping bin and with enclosed chamber and closable door to form chute to receive materials

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2273893	A1	20001204	CA 2273893	A	19990608	200114 B
US 6309164	B1	20011030	US 99325741	A	19990604	200172

37/TI,PY,AZ/35 (Item 26 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013065364

Momentum management system for spacecraft attitude control; has gimbal assembly for coupling drive to rotor, that has spinning gimbal with flexure joints to permit rotor to tilt in two axes relative to drive shaft

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200005549	A1	20000203	WO 99CA678	A	19990723	200020 B
AU 9950219	A	20000214	AU 9950219	A	19990723	200029
EP 1099093	A1	20010516	EP 99934422	A	19990723	200128
			WO 99CA678	A	19990723	

37/TI,PY,AZ/36 (Item 27 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

013012624

Scanner used for measuring human body to give garment sizes has a measurement cabin with a non-contact scanner to register the body surface data with a computer to convert the readings into a chip card or other memory store

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 29919322	U1	20000224	DE 99U2019322	U	19991103	200017 B

37/TI,PY,AZ/37 (Item 28 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

012883360

Photographic media scanner creating digital images from processed film stored in cartridge, e.g. APS film

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 959610	A2	19991124	EP 99201490	A	19990512	200005 B
JP 2000013572	A	20000114	JP 99114074	A	19990421	200014
US 6178016	B1	20010123	US 9883604	A	19980522	200107

37/TI,PY,AZ/38 (Item 29 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

012469959

Power supply controller for passenger entertainment system

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5889466	A	19990330	US 97783604	A	19970114	199923 B

1

37/TI,PY,AZ/39 (Item 30 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

012389437

Automatic vending machine - has optical sensor in each goods selection button, which detects reflected light from light sources in each goods selection button of display unit

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11039553	A	19990212	JP 97194400	A	19970718	199917 B

37/TI,PY,AZ/40 (Item 31 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011817295

Ink-jet recording apparatus e.g. printer - has two ICs, whose respective lands are formed on substrate, which are selectively used to drive step motor

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10071708	A	19980317	JP 96248899	A	19960830	199821 B

37/TI,PY,AZ/41 (Item 32 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011395154

Letter and parcel drop box inventory monitoring and control system - has drop sensors operating by IR light to detect deposits, filling of box and courier emptying of box

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9725694	A1	19970717	WO 97US3	A	19970103	199734 B
AU 9715236	A	19970801	AU 9715236	A	19970103	199748
			WO 97US3	A	19970103	
US 5818336	A	19981006	US 96582752	A	19960104	199847

37/TI,PY,AZ/42 (Item 33 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011360388

Automatic tracking method for phased array antenna mounted on motor vehicle, ship etc - using phase shifter which is controlled to shift beam so that maximum level is obtained corresponding to angle of elevation and magnetic declination

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9138266	A	19970527	JP 95321038	A	19951114	199731 B
JP 3032711	B2	20000417	JP 95321038	A	19951114	200024

37/TI,PY,AZ/43 (Item 34 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011345942

Anti fuse type FPGA verification method - involves performing delay simulation, based on each recomputed signal path delay value after

1

EKD

November 14, 2003

measuring antifuse ON resistance and resetting circuit constant  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9127201	A	19970516	JP 95282936	A	19951031	199730 B

37/TI,PY,AZ/44 (Item 35 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011325619

Goods conveyor for vending machine - has actuator that performs ON-OFF operation by pushing portion of stopper detector, when goods are removed from goods saucer leading to opening

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9115051	A	19970502	JP 95272679	A	19951020	199728 B
JP 3414904	B2	20030609	JP 95272679	A	19951020	200345

37/TI,PY,AZ/45 (Item 36 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011171644

Automatic order system for fluid commodity e.g. kerosene, light oil, gasoline, liquefied petroleum gas - uses transmission line to automatically transmit order information from consumer side to distributor when residual quantity of fluid tank on consumer side is judged to be below set level by decision circuit

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9024999	A	19970128	JP 95174769	A	19950711	199714 B

37/TI,PY,AZ/46 (Item 37 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

011055179

Rubber ink stamp which in addition produces sound, light and other special effects - has array of pressure-sensitive switches triggering electronic circuitry to issue respective special effects message simultaneously with imprint operation

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5579692	A	19961203	US 91701486	A	19910516	199703 B
			US 92977225	A	19921116	
			US 95374924	A	19950118	

37/TI,PY,AZ/47 (Item 38 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

010914641

Pressure sensor sensing polarity setting - providing sensing element coupled to first sensing output node and switching bridge contg first and second bridge output nodes

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5551304	A	19960903	US 95549112	A	19951027	199641 B

37/TI,PY,AZ/48 (Item 39 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

010672551

Connection detector for interconnected-system power supply - has reactive power detector which determines opening and closing state of

circuit breaker based on reactive power associated with small change in output voltage or frequency variation

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8051725	A	19960220	JP 94187539	A	19940809	199617 B

37/TI,PY,AZ/49 (Item 40 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

010491757

Automatic shipping machine parcel and envelope mailing method for commercial shipping, delivery industry - involves using appts. with storage area, weighing system, customer paying unit and label printing system plus safeguarded control and authorisation system

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9530132	A1	19951109	WO 95US5548	A	19950427	199550 B
AU 9524339	A	19951129	AU 9524339	A	19950427	199609
EP 758444	A1	19970219	EP 95918380	A	19950427	199713
			WO 95US5548	A	19950427	
US 5656799	A	19970812	US 91683243	A	19910410	199738
			US 92903342	A	19920624	
			US 94235290	A	19940429	
US 5831220	A	19981103	US 91683243	A	19910410	199851
			US 92903342	A	19920624	
			US 94235290	A	19940429	
			US 97845012	A	19970422	
US 6105014	A	20000815	US 91683243	A	19910410	200041
			US 92903342	A	19920624	
			US 94235290	A	19940429	
			US 97845012	A	19970422	
			US 98162874	A	19980929	
EP 758444	B1	20020731	EP 95918380	A	19950427	200257
			WO 95US5548	A	19950427	
DE 69527618	E	20020905	DE 627618	A	19950427	200266
			EP 95918380	A	19950427	
			WO 95US5548	A	19950427	
CA 2189159	C	20030114	CA 2189159	A	19950427	200309
			WO 95US5548	A	19950427	

37/TI,PY,AZ/50 (Item 41 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

010103955

Electronic inclinometer - has single magnet positioned within spherical reference element, fluid supporting reference element, two pairs of Hall sensors and two balanced differential amplifiers

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5365671	A	19941122	US 93102568	A	19930805	199501 B
WO 9504916	A1	19950216	WO 94US8867	A	19940804	199512
EP 712485	A1	19960522	EP 94925196	A	19940804	199625
			WO 94US8867	A	19940804	
JP 9501498	W	19970210	WO 94US8867	A	19940804	199716
			JP 95506539	A	19940804	

37/TI,PY,AZ/51 (Item 42 from file: 350)

DIALOG(R) File 350: (c) 2003 Thomson Derwent. All rts. reserv.

009941301

Interface for replacement of original microprocessor with replacement in computer contg. numeric co-processor - monitors control signals, detects error conditions, queues NPX op-codes and operands when overlap

conditions exist, transmits queued NPX op-codes and operands and translates bus cycles between microprocessor and microcomputer motherboard

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5325490	A	19940628	US 91809575	A	19911218	199425 B

37/TI,PY,AZ/52 (Item 43 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

009240034

Vapour recovery system for service station petrol pump - uses vacuum pump digital processor controlled concurrently with dispensing facility connected between storage tank and intake adjacent to filler neck

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 511599	A1	19921104	EP 92107031	A	19920424	199245 B
BR 9201598	A	19921201	BR 921598	A	19920429	199301
CA 2067310	A	19921031	CA 2067310	A	19920427	199303
US 5195564	A	19930323	US 91693549	A	19910430	199314
US 5323817	A	19940628	US 91693549	A	19910430	199425
			US 92966266	A	19921026	
US 5332011	A	19940726	US 91693549	A	19910430	199429
			US 931787	A	19930108	
EP 511599	B1	19970226	EP 92107031	A	19920424	199714
DE 69217571	E	19970403	DE 617571	A	19920424	199719
			EP 92107031	A	19920424	

37/TI,PY,AZ/53 (Item 44 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

008936925

Compact programmable temperature detector - has three terminals and number of temperature transitions points from which to choose

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5085526	A	19920204				199208 B
WO 9305377	A1	19930318	WO 91GB1514	A	19910905	199312 N

37/TI,PY,AZ/54 (Item 45 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

008770451

Hot water consumption detector for centrally controlled building - has central accounting computer fed by local microcomputers via serial interface, local metering devices

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DD 289332	A	19910425	DD 349807	A	19891129	199138 B

37/TI,PY,AZ/55 (Item 46 from file: 350)

DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

007345849

Registering and transmitting power consumption and/or fault data - sending measured data to energy supplier via communications lines or mobile data media

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3618316	A	19871203	DE 3618316	A	19860530	198749 B
DE 3618316	C	19900613				199024

37/TI,PY,AZ/56 (Item 47 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

003384889

Measuring individual thermal consumption in centrally heated buildings -  
using comparison of heating fluid and external temp. signals

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3201148	A	19821028				198244 B
IT 1168369	B	19870520				198942

37/TI,PY,AZ/57 (Item 48 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

003026128

Central consumer utility consumption monitoring system - enables charges  
to be altered and displayed at individual consumer locations

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8100619	A	19810305				198112 B
SE 7906983	A	19810323				198115
EP 35025	A	19810909	EP 80901671	A	19800820	198138
JP 56501068	W	19810730				198151
US 4442492	A	19840410	US 81255240	A	19810417	198417
EP 35025	B	19860122				198604
DE 3071365	G	19860306				198611

37/TI,PY,AZ/58 (Item 49 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

002381709

Cash register with banknote value detector - has indicator and memory  
for total price of goods, money given and change due

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3011721	A	19801002				198041 B
GB 2046488	A	19801112				198046
US 4322796	A	19820330				198215
DE 3011721	C	19821111				198246
GB 2046488	B	19830330				198313

37/TI,PY,AZ/59 (Item 50 from file: 350)  
DIALOG(R)File 350:(c) 2003 Thomson Derwent. All rts. reserv.

001709106

Optoelectronically stabilized DC power supply - uses LED diode and  
phototyristor switch, thyristor switch and overload sensor

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 515102	A	19760930				197722 B

37/3, K/3 (Item 3 from file: 347)  
DIALOG(R) File 347: JAPIO  
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06865496 \*\*Image available\*\*  
TICKET ISSUING MACHINE

PUB. NO.: 2001-092999 [JP 2001092999 A]  
PUBLISHED: April 06, 2001 (20010406)  
INVENTOR(s): KAWAI NOBUYUKI  
APPLICANT(s): TOSHIBA CORP  
APPL. NO.: 11-266089 [JP 99266089]  
FILED: September 20, 1999 (19990920)

## ABSTRACT

... of improving the productivity of a machine body, speedily dealing with the demand of a customer without increase in cost and improving a service property.

SOLUTION: A common space 170 is formed in a ticket...

... by a top plate 136 of this ticket paper cassette 135. Ticket paper capacity detecting sensors S1-S3 for detecting the capacity of the ticket paper cassette 135 capable of housing are located on one end face of the common space 170. Corresponding to these sensors, as a ticket paper cassette 135, various cassettes are prepared corresponding to the capacity capable...

37/3, K/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06795498 \*\*Image available\*\*  
PARKING LOT MANAGING DEVICE FOR ENABLING ENTERING, SETTLEMENT OF ACCOUNTS  
AND LEAVING BY INPUTTING NUMERICAL VALUE CAPABLE OF AUTHENTICATING IDENTITY  
OF CUSTOMER WITH RESPECT TO ENTERING/LEAVING OF PARKING LOT

PUB. NO.: 2001-022979 [JP 2001022979 A]  
PUBLISHED: January 26, 2001 (20010126)  
INVENTOR(s): KIYOTO HARUO  
APPLICANT(s): D SYSTEM KK  
APPL. NO.: 11-224347 [JP 99224347]  
FILED: July 05, 1999 (19990705)

## ABSTRACT

... entering a parking lot by-inputting a numerical value capable authenticating the identity of the **customer**, and calculating **charges** by key-inputting that number when leaving.

SOLUTION: When a car reaches in front of a gate, an entrance sensor detects the car and the loudspeaker of a control panel guides the message of 'please...'.

... this car approaches the gate to leave after the lapse of certain time, an exit sensor detects the car and the speaker makes a guide with the message 'please enter your...

37/3, K/6 (Item 6 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06452600 \*\*Image available\*\*

MEASURING DEVICE FOR MEASURED VARIABLE OF FRONT CAR ESPECIALLY TRACTOR AND/OR MEASURED VARIABLE OF TRAILER OR SEMITRAILER COUPLED ON TO FRONT CAR

PUB. NO.: 2000-038172 [JP 2000038172 A]  
PUBLISHED: February 08, 2000 (20000208)  
INVENTOR(s): HECKER FALK  
JUNDT OLIVER  
APPLICANT(s): ROBERT BOSCH GMBH  
APPL. NO.: 11-191523 [JP 99191523]  
FILED: July 06, 1999 (19990706)  
PRIORITY: 19831286 [DE 19831286], DE (Germany), July 13, 1998  
(19980713)

ABSTRACT

...a semitrailer coupled on to the front car, wherein no additional or very high reforming **costs** are generated for an **end user** regarding a used **sensor** device.

SOLUTION: In this measuring device for a measured variable of a front car 1

37/3,K/8 (Item 8 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

05343630 \*\*Image available\*\*  
DAILY DISH SELLING SYSTEM FOR AGED AND SMALL FAMILIES AGE

PUB. NO.: 08-299130 [JP 8299130 A]  
PUBLISHED: November 19, 1996 (19961119)  
INVENTOR(s): FUJITA MITSUO  
APPLICANT(s): SHINSEI IND KK [402337] (A Japanese Company or Corporation),  
JP (Japan)  
APPL. NO.: 07-141031 [JP 95141031]  
FILED: April 28, 1995 (19950428)

ABSTRACT

... automatically performing calculation for a customer according to each taking-out amount and each unit **cost** when the **customer** picks required daily dishes up from containers, resulting that final exact calculation is obtained...

...in which required daily are put. When a lid is opened, the corresponding container lid **sensor** detects its opening to locate a corresponding residual amount weigher 110H. When the customer puts...  
... slot 110M, he/she is identified. When the lid is closed, the corresponding container lid **sensor** detects its closing, a price of daily dishes taken out is calculated and stored on...

37/3,K/9 (Item 9 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

01988762 \*\*Image available\*\*  
AUTOMATIC COLLECTOR OF CHARGE FOR STATIONARY FACILITIES UTILIZATION

PUB. NO.: 61-202862 [JP 61202862 A]  
PUBLISHED: September 08, 1986 (19860908)  
INVENTOR(s): SAKURAI MASAAKI  
APPLICANT(s): NIPPON SIGNAL CO LTD THE [000465] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 60-044048 [JP 8544048]  
FILED: March 06, 1985 (19850306)  
JOURNAL: Section: M, Section No. 558, Vol. 11, No. 34, Pg. 77, January 31, 1987 (19870131)

ABSTRACT

PURPOSE: To enable automatic reading of admission and leaving time by **customers**, automatic calculation/collection of **fees** and repeated use of a ticket for use by issuing visible magnetized coupons with admission...

... data through a reader/writer 18 at a ticket insertion detecting signal from a ticket **detector** 16, and stores the data into a memory 19. At the same time, the control...

... 2) in an inverse format. The control 22, receiving a detection signal from a ticket **detector** 21, reads ticket classification, admission time and leaving time from a clock 28, records the...

37/3,K/11 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015626320 \*\*Image available\*\*

WPI Acc No: 2003-688491/200365

XRPX Acc No: N03-550073

Wide area network enable equipment condition monitoring system for remotely located machines, has analysis server in remote site to analyze collected signal by using empirical model

Patent Assignee: CONKRIGHT G W (CONK-I); HASIEWICZ J (HASI-I); HERZOG J P (HERZ-I)

Inventor: CONKRIGHT G W; HASIEWICZ J; HERZOG J P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030126258	A1	20030703	US 2000183899	P	20000222	200365 B
			US 2001791097	A	20010222	
			US 2002328254	A	20021223	

Priority Applications (No Type Date): US 2000183899 P 20000222; US 2001791097 A 20010222; US 2002328254 A 20021223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030126258	A1	15	G06F-015/173	Provisional application	US 2000183899

CIP of application US 2001791097

Abstract (Basic):

The system has a data acquisition device that operates at a remote site to collect **sensor** signals that indicate the operation of a machine at the site. A communication network (54...

... server serves for communication, analysis and notification of the remote devices and hence provides a **customer** with a detailed cost effective approach for remote analysis of the device site...

37/3,K/18 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015267891 \*\*Image available\*\*

WPI Acc No: 2003-328820/200331

XRPX Acc No: N03-262986

Customer conversion system in retail stores, includes CCS sensor interface unit which connects output activity sensors to input of data processor

Patent Assignee: CASEY T J (CASE-I); HOLMES J A (HOLM-I); MAY S P (MAYS-I)

Inventor: CASEY T J; HOLMES J A; MAY S P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020190858	A1	20021219	US 2001850485	A	20010507	200331 B

Priority Applications (No Type Date): US 2001850485 A 20010507

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020190858 A1 13 G08B-013/00

Customer conversion system in retail stores, includes CCS sensor interface unit which connects output activity sensors to input of data processor

Abstract (Basic):

... of-sale data processor (1) includes a real-time clock and an input. A CCS sensor interface unit (102) connects the output of the activity sensors (103) to the input of the data processor.

... As the CCS sensor interface unit utilizes a single chip microcontroller, the cost of the interface unit is reduced. Hence system counts customer at a lower cost. Installation is simplified and quickened by using intelligent modes in the CCS sensor interface unit. Enables a fairly low level security system technician to easily install the CCS sensor interface unit successfully without access to the computer...

...CCS sensor interface unit (102...)

...Activity sensors (103...)

37/3,K/19 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015148502 \*\*Image available\*\*

WPI Acc No: 2003-209029/200320

XRPX Acc No: N03-166585

Transducer element interfacing method for network, involves utilizing adaptable transducer interface to remotely interface with transducer element whose operating characteristics are converted into user data

Patent Assignee: WICZER J J (WICZ-I)

Inventor: WICZER J J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020147936	A1	20021010	US 2001829128	A	20010409	200320 B

Priority Applications (No Type Date): US 2001829128 A 20010409

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 20020147936 A1 16 H04L-001/22

Abstract (Basic):

... For interfacing transducer element e.g. sensor, actuator, etc., in industrial and process control systems, to communication network...

...Enables remote monitoring and control of the transducer elements, thus cost to the end users is reduced...

37/3,K/22 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014704107 \*\*Image available\*\*

WPI Acc No: 2002-524811/200256

XRPX Acc No: N02-415668

Industrial machine maintenance information transmitting system produces maintenance report based on obtained maintenance information including

maintenance expense and transmits maintenance report to customer  
Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002175377	A	20020621	JP 2000370933	A	20001206	200256 B

Priority Applications (No Type Date): JP 2000370933 A 20001206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002175377	A	6		G06F-017/60	

... machine maintenance information transmitting system produces maintenance report based on obtained maintenance information including maintenance expense and transmits maintenance report to customer

Abstract (Basic):

... Maintenance content is selected based on new detection data output by **detector** that detects operation state of an industrial machine (10). A maintenance report produced based on obtained maintenance information including maintenance **expense** is transmitted to a **customer** and a maintenance firm. A display unit (2) displays the detected operation state of industrial...

37/3,K/23 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014571781 \*\*Image available\*\*

WPI Acc No: 2002-392485/200242

Related WPI Acc No: 2002-265933

XRPX Acc No: N02-307615

Video recording device for recording video images before and after triggering event, has image sensor, central control processor, converter coupled between sensor and processor, and memory.

Patent Assignee: MITSUBISHI ELECTRIC ITA (MITQ )

Inventor: FREEMAN W T; HIATT W A; YERAZUNIS W S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020005895	A1	20020117	US 97906493	A	19970805	200242 B
			US 2001947393	A	20010907	

Priority Applications (No Type Date): US 97906493 A 19970805; US 2001947393

A 20010907

1,

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Note's
US 20020005895	A1	17		H04N-007/18	Cont of application US 97906493

Video recording device for recording video images before and after triggering event, has image sensor, central control processor,

converter coupled between sensor and processor, and memory.

Abstract (Basic):

... The video recording device has an image **sensor**, a central control processor, a converter coupled between the **sensor** and the processor. There is also a semiconductor memory.

... The image **sensor** produces an output frame data signal that is representative of video images impinging on the **sensor**. The central processor has inputs for receiving the video frame data, and an input for receiving a trigger signal. The converter is provided to convert the **sensor** output frame data signal into a video frame data signal for input to the processor...

...The device has high reliability, is compact, cost effective, and is suitable for **consumer** and commercial applications...

37/3, K/24 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014539219 \*\*Image available\*\*<sup>1</sup>

WPI Acc No: 2002-359922/200239

XRPX Acc No: N02-281118

Network billing method e.g. for global computer network, involves receiving successful download response from client, based on which access cost is deducted from credit

Patent Assignee: ONSTREAM SYSTEMS LTD (ONST-N)

Inventor: FOSTER B R; KELLY D G; QUINN S K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NZ 506702	A	20011221	NZ 506702	A	20000904	200239 B

Priority Applications (No Type Date): NZ 506702 A 20000904

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
NZ 506702	A	28		G06F-017/60	

Abstract (Basic):

... The credit details and access cost of the customer required data are estimated by a sensor. Downloading is activated based on estimated details. A successful download response is indicated by the

...

37/3, K/26 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014447509 \*\*Image available\*\*

WPI Acc No: 2002-268212/200231

XRPX Acc No: N02-208676

Transferring information for display involves using point-to-point transfer system for traffic density, alarms, pollen count, sun intensity and other values

Patent Assignee: TERACOM AB (TERA-N)

Inventor: BACKLUND L; BONDESON A; POHJANVUORI T; SEMMELMANN H P

Number of Countries: 097 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200186951	A1	20011115	WO 2001SE1003	A	20010509	200231 B
AU 200156916	A	20011120	AU 200156916	A	20010509	200231
EP 1287690	A1	20030305	EP 2001930385	A	20010509	200319
			WO 2001SE1003	A	20010509	

Priority Applications (No Type Date): SE 20001753 A 20000511

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200186951	A1	E	28	H04N-007/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN

IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200156916 A H04N-007/00 Based on patent WO 200186951

EP 1287690 A1 E H04N-007/00 Based on patent WO 200186951

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic):

... Conditions and locally valid conditions are found using **sensors** whose values are transferred to the service provider...  
... Method reduces complexity and thus **cost** of **end user** presentation devices, and reduces the bandwidth required by not transferring unnecessary information...  
/

37/3,K/29 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014309852 \*\*Image available\*\*  
WPI Acc No: 2002-130555/200217  
XRPX Acc No: N02-098494

Providing work machine to customer with determined productivity using computer to calculate productivity of machine and select guaranteed productivity support agreement

Patent Assignee: CATERPILLAR INC (CATE )

Inventor: MULLER T P

Number of Countries: 093 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200193654	A2	20011213	WO 2001US16362	A	20010518	200217 B
AU 200163334	A	20011217	AU 200163334	A	20010518	200225
GB 2379512	A	20030312	WO 2001US16362	A	20010518	200327
			GB 200224129	A	20021017	

Priority Applications (No Type Date): US 2000717573 A 20001121; US 2000210058 P 20000607

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200193654 A2 E 57 G05B-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200163334 A G05B-000/00 Based on patent WO 200193654  
GB 2379512 A G07C-005/08 Based on patent WO 200193654

Abstract (Basic):

... Information is received from **sensor** signals, block 402, a computer compares the signals to empirical data and determines work cycle...

... system for determining when a work machine needs servicing and for a system for determining fees to a customer .

37/3,K/32 (Item 23 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013956838 \*\*Image available\*\*  
WPI Acc No: 2001-441052/200147  
XRPX Acc No: N01-326288

Remotely interactive metering system e.g. for electricity metering, has meter reading collection hub connected to sensors interfaced with several meters, which transmits data to centralized meter reading server

Patent Assignee: DIGITERM LTD (DIGI-N)

Inventor: AL-OBAIDY B; AL-OBAIDY T

Number of Countries: 092 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

WO 200115114	A1	20010301	WO 2000GB3231	A	20000821	200147	B
AU 200067101	A	20010319	AU 200067101	A	20000821	200147	
EP 1208551	A1	20020529	EP 2000954743	A	20000821	200243	
			WO 2000GB3231	A	20000821		
JP 2003507825	W	20030225	WO 2000GB3231	A	20000821	200317	
			JP 2001519399	A	20000821		

Priority Applications (No Type Date): GB 200018800 A 20000801; GB 9919875 A 19990824

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200115114 A1 E 21 G08C-017/02

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200067101 A G08C-017/02 Based on patent WO 200115114

EP 1208551 A1 E G08C-017/02 Based on patent WO 200115114

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2003507825 W 21 G08C-015/00 Based on patent WO 200115114

... interactive metering system e.g. for electricity metering, has meter reading collection hub connected to sensors interfaced with several meters, which transmits data to centralized meter reading server

Abstract (Basic):

... sensor interface with meter provides output signal corresponding to meter reading. Meter reading collection hub (14) connected to sensors, has converter (16) to converts output signal from each sensor and provides count for each meter. Telecommunication unit (18) transmits data from the hub to ... existing meter and public networks. Provides reliable, accurate and precise meter reading for billing the customer. Cuts down cost of collecting meter readings. Provides minimal and cost effective installation time and minimal running costs...

37/3, K/40 (Item 31 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011817295 \*\*Image available\*\*

WPI Acc No: 1998-234205/199821

XRPX Acc No: N98-185556

Ink-jet recording apparatus e.g. printer - has two ICs, whose respective lands are formed on substrate, which are selectively used to drive step motor

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10071708	A	19980317	JP 96248899	A	19960830	199821 B

Priority Applications (No Type Date): JP 96248899 A 19960830

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 10071708 A 5 B41J-002/01

...Abstract (Basic): the ICs are formed on a substrate which is provided in a control board. A sensor is provided to detect the IC which is being operated...

...with requirement of customer, due to provision of two ICs for driving step motor. Enables customer to choose low- cost IC, thus low- cost

printer can be supplied to **customer** by manufacturer...

37/3,K/41 (Item 32 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011395154 \*\*Image available\*\* (

WPI Acc No: 1997-373061/199734

XRPX Acc No: N97-309744

Letter and parcel drop box inventory monitoring and control system - has drop sensors operating by IR light to detect deposits, filling of box and courier emptying of box

Patent Assignee: SKYWIRE (SKYW-N); SKYWIRE LLP (SKYW-N)

Inventor: COWLING R M; JONES T H; VARGA S

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9725694	A1	19970717	WO 97US3	A	19970103	199734 B
AU 9715236	A	19970801	AU 9715236	A	19970103	199748
			WO 97US3	A	19970103	
US 5818336	A	19981006	US 96582752	A	19960104	199847

Priority Applications (No Type Date): US 96582752 A 19960104

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9725694 A1 E 34 G08B-013/14

Designated States (National): AU BR CA CN IL JP KR MX NZ SG

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC  
NL PT SE

AU 9715236 A G08B-013/14 Based on patent WO 9725694

US 5818336 A G08B-013/08

... has drop sensors operating by IR light to detect deposits, filling of box and courier emptying of box

...Abstract (Basic): The system operates by drop **sensor** (200) passively detecting the passage of packages into the drop box, which has a door through which packages are posted. The **sensor** is positioned so that its sensing field is about 35 degrees below a line parallel to the floor of the box. The front end of the **sensor** has four parallel photodiodes and when modulated IR light hits them they generate a fluctuating...

...monitoring and controlling letters and packages in drop box or in on-call environment. Enhances **customer** service and increases operational effectiveness. Cost -efficiently determines in timely manner which boxes do not need to be picked up at...

37/3,K/42 (Item 33 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011360388 \*\*Image available\*\*

WPI Acc No: 1997-338295/199731

XRPX Acc No: N97-280531

Automatic tracking method for phased array antenna mounted on motor vehicle, ship etc - using phase shifter which is controlled to shift beam so that maximum level is obtained corresponding to angle of elevation and magnetic declination

Patent Assignee: DX ANTENNA KK (DXAN-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9138266	A	19970527	JP 95321038	A	19951114	199731 B

JP 3032711 B2 20000417 JP 95321038 A 19951114 200024

Priority Applications (No Type Date): JP 95321038 A 19951114

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 9138266 A 6 G01S-003/42

JP 3032711 B2 6 G01S-003/42 Previous. Publ. patent JP 9138266

1,

...Abstract (Basic): by a combiner (8). The level of the combine signal is outputted by a level **detector** (12) and it is supplied to the CPU (14). The CPU forms the beam at...

...ADVANTAGE - Realises satisfactory tracking. Reduces tracking time.

Provides size reduction. Reduces **cost**. Retains programme level compatible to **consumer** units such as satellite broadcast receiving system...

37/3,K/43 (Item 34 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011345942 \*\*Image available\*\*

WPI Acc No: 1997-323847/199730

XRPX Acc No: N97-267991

Anti fuse type **FPGA** verification method - involves performing delay simulation, based on each recomputed signal path delay value after measuring antifuse **ON resistance** and resetting circuit constant

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9127201	A	19970516	JP 95282936	A	19951031	199730 B

Priority Applications (No Type Date): JP 95282936 A 19951031

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 9127201 A 5

...Abstract (Basic): at the circuit constant is reset after programming of the **FPGA**. Each signal path delay **value** is recomputed after the **measurement process** is performed. Delay simulation is performed again based on each recomputed signal path delay value...

...Shortens development period. Does not require expensive high speed function tester, thus reduces development investment **cost** of **customer**.

1,

37/3,K/44 (Item 35 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011325619 \*\*Image available\*\*

WPI Acc No: 1997-303523/199728

Goods conveyor for vending machine - has actuator that performs ON-OFF operation by pushing portion of stopper **detector**, when goods are removed from goods saucer leading to opening

Patent Assignee: MATSUSHITA REIKI KK (MATJ )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9115051	A	19970502	JP 95272679	A	19951020	199728 B
JP 3414904	B2	20030609	JP 95272679	A	19951020	200345

Priority Applications (No Type Date): JP 95272679 A 19951020

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9115051	A			10 G07F-011/42	
JP 3414904	B2			10 G07F-011/00	Previous Publ. patent JP 9115051

... has actuator that performs ON-OFF operation by pushing portion of stopper detector, when goods are removed from goods saucer leading to opening

... Abstract (Basic): A stopper detector (26) provided at one side of the adaptive storehouse detects the stoppage of the bracket...

... when an actuator performs an ON-OFF operation by pushing a part of the stopper detector. A shutter switch (30) slides a shutter that opens and closes the opening...

... increase is prevented. Improves visibility of displayed goods since fluorescent light is not interrupted; facilitates consumers purchase volition. Reduces cost due to simple structure. Does not impair external part...

37/3,K/46 (Item 37 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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011055179 \*\*Image available\*\*

WPI Acc No: 1997-033103/199703

Related WPI Acc No: 1993-044387; 1995-177651

XRPX Acc No: N97-027946

Rubber ink stamp which in addition produces sound, light and other special effects - has array of pressure-sensitive switches triggering electronic circuitry to issue respective special effects message simultaneously with imprint operation

Patent Assignee: COLLIER H B (COLL-I)

Inventor: COLLIER H B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5579692	A	19961203	US 91701486	A	19910516	199703 B
			US 92977225	A	19921116	
			US 95374924	A	19950118	

Priority Applications (No Type Date): US 95374924 A 19950118; US 91701486 A 19910516; US 92977225 A 19921116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5579692	A			21 B41K-001/56	CIP of application US 91701486
					CIP of application US 92977225
					CIP of patent US 5178067
					CIP of patent US 5410962

... Abstract (Basic): Sensors, such as an array of pressure sensitive switches, are affixed within the plastic handle so...

... ADVANTAGE - Provides more economic value to consumer through reduction in cost per message and increases play value of effects stamp. Device is simple, hand-held and

37/3,K/47 (Item 38 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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010914641 \*\*Image available\*\*

WPI Acc No: 1996-411592/199641

XRPX Acc No: N96-346498

Pressure sensor sensing polarity setting - providing sensing element coupled to first sensing output node and switching bridge contg first and second bridge output nodes

Patent Assignee: MOTOROLA INC (MOTI )

Inventor: BASKETT I E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5551304	A	19960903	US 95549112	A	19951027	199641 B

Priority Applications (No Type Date): US 95549112 A 19951027

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5551304	A	6		G01L-001/00	

Pressure sensor sensing polarity setting...

...Abstract (Basic): g. the first branch and the second branch correspond to a first polarity of the **sensor** device and the third branch and the fourth branch correspond to a second polarity of the **sensor** device. An electrical open circuit is created in the first branch and the second branch to set the **sensor** device to the first polarity...

...USE/ADVANTAGE - In e.g. pressure **sensor** . Reduced mfg **cost** , reducing **customer** order lead times, while avoid need for mfg distinction between front and side applications until...

37/3,K/48 (Item 39 from file; 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010672551 \*\*Image available\*\*

WPI Acc No: 1996-169505/199617

XRPX Acc No: N96-142683

Connection detector for interconnected-system power supply - has reactive power detector which determines opening and closing state of circuit breaker based on reactive power associated with small change in output voltage or frequency variation

Patent Assignee: SHINKO ELECTRIC CO LTD (SHIA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8051725	A	19960220	JP 94187539	A	19940809	199617 B

Priority Applications (No Type Date): JP 94187539 A 19940809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8051725	A	4		H02J-003/38	

Connection detector for interconnected-system power supply...

...has reactive power detector which determines opening and closing state of circuit breaker based on reactive power associated with...

...Abstract (Basic): The **detector** has a circuit with an excitation mechanism (3) which supplies power to an electrical power...

...decision circuit (5) extracts the frequency of the excitation mechanism so that a reactive-power **detector** (4) can detect the amt. of frequency change and detect the opening and closing state...

...USE/ADVANTAGE - For maintaining quality of power distributed to main power supply of **customers** . Enables **cost** . because it can detect opening and closing circuit breaker with accurate precision without

drawing signal...

37/3,K/49 (Item 40 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010491757 \*\*Image available\*\*

WPI Acc No: 1995-393158/199550

Related WPI Acc No: 1992-382335; 1994-271909; 1995-014232; 1996-068491

XRPX Acc No: N95-286624

(1)

Automatic shipping machine parcel and envelope mailing method for commercial shipping, delivery industry - involves using appts. with storage area, weighing system, customer paying unit and label printing system plus safeguarded control and authorisation system

Patent Assignee: U-SHIP USA LTD (USHI-N); INTELLIGENT KIOSK CO (INTE-N); UNITED SHIPPING & TECHNOLOGY INC (UNSH-N); U-SHIP INC (USHI-N)

Inventor: LILES K W; RAMSDEN G W

Number of Countries: 023 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9530132	A1	19951109	WO 95US5548	A	19950427	199550 B
AU 9524339	A	19951129	AU 9524339	A	19950427	199609
EP 758444	A1	19970219	EP 95918380	A	19950427	199713
			WO 95US5548	A	19950427	
US 5656799	A	19970812	US 91683243	A	19910410	199738
			US 92903342	A	19920624	
			US 94235290	A	19940429	
US 5831220	A	19981103	US 91683243	A	19910410	199851
			US 92903342	A	19920624	
			US 94235290	A	19940429	
			US 97845012	A	19970422	
US 6105014	A	200000815	US 91683243	A	19910410	200041
			US 92903342	A	19920624	
			US 94235290	A	19940429	
			US 97845012	A	19970422	
			US 98162874	A	19980929	
EP 758444	B1	20020731	EP 95918380	A	19950427	200257
			WO 95US5548	A	19950427	
DE 69527618	E	20020905	DE 627618	A	19950427	200266
			EP 95918380	A	19950427	
			WO 95US5548	A	19950427	
CA 2189159	C	20030114	CA 2189159	A	19950427	200309
			WO 95US5548	A	19950427	

Priority Applications (No Type Date): US 94235290 A 19940429; US 91683243 A 19910410; US 92903342 A 19920624; US 97845012 A 19970422; US 98162874 A 19980929

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9530132 A1 E 99 G01G-023/38

Designated States (National): AU CA JP KR MX

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

AU 9524339 A G01G-023/38 Based on patent WO 9530132

EP 758444 A1 E 1 G01G-023/38 Based on patent WO 9530132

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

US 5656799 A 47 G01G-023/58 CIP of application US 91683243

CIP of application US 92903342

CIP of patent US 5233532

CIP of patent US 5340948

US 5831220 A G01G-009/00 CIP of application US 91683243

CIP of application US 92903342

Cont of application US 94235290

CIP of patent US 5233532

US 6105014	A	G07B-017/00	CIP of patent US 5340948 Cont of patent US 5656799 CIP of application US 91683243 CIP of application US 92903342 Div ex application US 94235290 Cont of application US 97845012 CIP of patent US 5233532 CIP of patent US 5340948 Div ex patent US 5656799 Cont of patent US 5831220
EP 758444	B1 E	G07B-017/04	Based on patent WO 9530132
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC			
NL PT SE			
DE 69527618	E	G07B-017/04	Based on patent EP 758444 Based on patent WO 9530132
CA 2189159	C E	G01G-023/38	Based on patent WO 9530132

...Abstract (Basic): The package shipping information and delivery date, with package delivery **costs**, is presented to the **customer** for each service and from which the customer makes a choice. A shipping label with...

...to the storage area, and will not provide a receipt to the customer until internal **sensors** verify deposit of the item. Where no storage is provided, the item is given to...

37/3,K/50 (Item 41 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

010103955 \*\*Image available\*\*

WPI Acc No: 1995-005208/199501

XRPX Acc No: N95-004300

Electronic inclinometer - has single magnet positioned within spherical reference element, fluid supporting reference element, two pairs of Hall sensors and two balanced differential amplifiers

Patent Assignee: INTERLINK ELECTRONICS INC (INTE-N)

Inventor: YANIGER S I

Number of Countries: 002 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5365671	A	19941122	US 93102568	A	19930805	199501 B
WO 9504916	A1	19950216	WO 94US8867	A	19940804	199512
EP 712485	A1	19960522	EP 94925196	A	19940804	199625
			WO 94US8867	A	19940804	
JP 9501498	W	19970210	WO 94US8867	A	19940804	199716
			JP 95506539	A	19940804	

Priority Applications (No Type Date): US 93102568 A 19930805

Patent Details:

Patent No	Kind	Lan	Pg	Main IPG	Filing Notes
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US 5365671	A	7	G01C-009/06
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WO 9504916	A1	E	19	G01C-009/06
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EP 712485	A1	E	7	G01C-009/06	Based on patent WO 9504916
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JP 9501498	W	17	G01C-009/06	Based on patent WO 9504916
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... single magnet positioned within spherical reference element, fluid supporting reference element, two pairs of Hall sensors and two balanced differential amplifiers

...Abstract (Basic): The two-axis tilt **sensor**, or inclinometer (10), uses a spherical reference element (18) floating in an inert fluid (20...

...element with respect to a housing (12) is detected by opposing pairs of Hall effect **sensors** (22) mounted on the housing...

...The outputs from opposing pairs of **sensors** are processed by differential amplifier circuits to determine signals corresponding to the tilt of the...

...ADVANTAGE - Sensing tilt. Low **cost** suitable for applications to **consumer** goods...

37/3,K/51 (Item 42 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009941301

WPI Acc No: 1994-209013/199425

XRPX Acc No: N94-164474

Interface for replacement of original microprocessor with replacement in computer contg. numeric co-processor - monitors control signals, detects error conditions, queues NPX op-codes and operands when overlap conditions exist, transmits queued NPX op-codes and operands and translates bus cycles between microprocessor and microcomputer motherboard

Patent Assignee: INTEL CORP (ITLC )

Inventor: BRASSEUR J R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5325490	A	19940628	US 91809575	A	19911218	199425 B

Priority Applications (No Type Date): US 91809575 A 19911218

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5325490	A	17		G06F-013/00	

...Abstract (Basic): second bus cycle type associated with the microcomputer system. An Numeric Processor Extension - NPX, instruction **detector** is coupled to the replacement microprocessor, and detects an NPX instruction provided by the replacement...

...or PS/2 (RTM). Does not require I/O slot on PC/AT (RTM). Reduces **consumer** **cost** of obtaining functionality and performance increases of 80386 (RTM) line of microprocessors, and extends useful...

37/3,K/52 (Item 43 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009240034 \*\*Image available\*\*

WPI Acc No: 1992-367452/199245

XRPX Acc No: N92-280124

Vapour recovery system for service station petrol pump - uses vacuum pump digital processor controlled concurrently with dispensing facility connected between storage tank and intake adjacent to filler neck

Patent Assignee: DRESSER IND INC (DRES ); SPALDING R G (SPAL-I)

Inventor: SPALDING R G

Number of Countries: 016 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 511599	A1	19921104	EP 92107031	A	19920424	199245 B
BR 9201598	A	19921201	BR 921598	A	19920429	199301
CA 2067310	A	19921031	CA 2067310	A	19920427	199303
US 5195564	A	19930323	US 91693549	A	19910430	199314
US 5323817	A	19940628	US 91693549	A	19910430	199425
			US 92966266	A	19921026	
US 5332011	A	19940726	US 91693549	A	19910430	199429
			US 931787	A	19930108	

EP 511599	B1	19970226	EP 92107031	A	19920424	199714
DE 69217571	E	19970403	DE 617571	A	19920424	199719
			EP 92107031	A	19920424	

Priority Applications (No Type Date): US 91693549 A 19910430; US 92966266 A 19921026; US 931787 A 19930108

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 511599	A1	E	11 B65D-005/06	
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Designated States (Regional): AT BE CH DE ES FR GB IT LI LU NL PT SE

US 5195564	A	8	B65B-001/04	
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US 5323817	A	9	B65D-001/04	Div ex application US 91693549
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(,) Div ex patent US 5195564

US 5332011	A	10	B65B-001/04	Cont of application US 91693549
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Cont of patent US 5195564

EP 511599	B1	E	16 B67D-005/06	
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Designated States (Regional): AT BE CH DE ES FR GB IT LI LU NL PT SE

DE 69217571	E	B67D-005/06	Based on patent EP 511599
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BR 9201598	A	B67D-005/378	
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CA 2067310	A	B67D-005/04	
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...Abstract (Basic): 46) driven by a variable speed motor (49) controlled by the digital processor. A failure **sensor** (52) determines the inoperative condition of the vacuum pump to enable system shut-down...

...Abstract (Equivalent): pump is preferably controlled by the same digital processor which calculates and displays volume and **cost** to the **customer**, and a single vacuum pump can be used in connection with single point of sale...

...pump is preferably controlled by the same digital processor which calculates and displays volume and **cost** to the **customer**. A single vacuum pump can be used in connection with single point of sale, multiple...

(,)

37/3,K/53 (Item 44 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008936925 \*\*Image available\*\*

WPI Acc No: 1992-064194/199208

XRPX Acc No: N92-048354

Compact programmable temperature detector - has three terminals and number of temperature transitions points from which to choose

Patent Assignee: ASTEC INT LTD (ASTE-N)

Inventor: BANDY F S; DAGAN M E; SAWTELL C K

Number of Countries: 015 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5085526	A	19920204				199208 B
WO 9305377	A1	19930318	WO 91GB1514	A	19910905	199312 N

Priority Applications (No Type Date): US 90558820 A 19900726; WO 91GB1514 A 19910905

(,)

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9305377	A1	68	G01K-003/00	
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Designated States (National): JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

Compact programmable temperature detector -

...Abstract (Basic): A programmable temperature detector for simple detection applications has three terminals and a number of temperature-transitions points from...

...by a single non-precision resistor coupled in series with the power

terminal of the **detector**. The non-precision resistor and a power supply set a program signal, in the form of a current, into the power terminal of the **detector**. The programmable temperature **detector** also comprises circuitry for quantising the program signal into a discrete signal leven and for...

...ADVANTAGE - Reliable and precise temperature **detector** that may be easily configured with the aid of inexpensive and non-precision components for a variety of applications thereby reducing manufacturing costs , decreasing manufacturing response time to **consumer** demand and lowering new product introduction time...

37/3,K/54 (Item 45 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

008770451 \*\*Image available\*\*

WPI Acc No: 1991-274463/199138

XRPX Acc No: N91-209568

Hot water consumption detector for centrally controlled building - has central accounting computer fed by local microcomputers via serial interface, local metering devices

Patent Assignee: VEB WOHNUNGS LIEBKN (LIEB-N)

Inventor: BOLTIN R; LIMMER ; RIEDEL M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DD 289332	A	19910425	DD 349807	A	19891129	199138 B

Priority Applications (No Type Date): DD 334980 A 19891129; DD 349807 A 19891129

Hot water consumption detector for centrally controlled building...

...Abstract (Basic): The consumption values are stored in unprocessed form as costs for each **consumer** and are transferred via a serial interface to a primary computer which computes and/or...

37/3,K/55 (Item 46 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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007345849

WPI Acc No: 1987-342855/198749

XRPX Acc No: N87-256697

Registering and transmitting power consumption and/or fault data - sending measured data to energy supplier via communications lines or mobile data media

Patent Assignee: GOSEN GMBH (GOSS-N); MINOL MESSTEC LEHMA (MINO-N)

Inventor: HENNEBERGE H

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3618316	A	19871203	DE 3618316	A	19860530	198749 B
DE 3618316	C	19900613				199024

Priority Applications (No Type Date): DE 3618316 A 19860530

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3618316	A	12			

...Abstract (Basic): Collective energy consumption data and/or state data from fault **detectors** are detected automatically and represented as transferable information flows passed in the opposite direction to...

...current etc. supplied via lines of appropriate form to gather consumption and fault information. Energy **costs** incurred by large **consumers**, e.g. in industry, are measured automatically...  
...Abstract (Equivalent): Collective energy consumption data and/or state data from fault **detectors** are detected automatically and represented as transferable information flows passed in the opposite direction to ...

...current etc. supplied via lines of appropriate form to gather consumption and fault information. Energy **costs** incurred by large **consumers**, e.g. in industry, are measured automatically. (12pp Dwg.No.1/4)

1,

37/3,K/56 (Item 47 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

003384889

WPI Acc No: 1982-P2925E/198244

Measuring individual thermal consumption in centrally heated buildings - using comparison of heating fluid and external temp. signals

Patent Assignee: KOMA SPA (KOMA-N)

Inventor: OLIVOTTI S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3201148	A	19821028				198244 B
IT 1168369	B	19870520				198942

Priority Applications (No Type Date): IT 812503 A 19810116

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3201148	A		11		1,

...Abstract (Basic): The arrangement enables heating **costs** to be allocated to individual **consumers** in a centrally heated building. The measurement parameters enable determination of the heat transferred directly...

...heat transferred from other consumers, chimneys, or conductors passing through other apartments. Signals from temp. **sensors** in the heating fluid and from external **sensors** are processed in a differential comparator which produces an output signal according to the temp...

37/3,K/57 (Item 48 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

003026128

WPI Acc No: 1981-C6142D/198112

Central consumer utility consumption monitoring system - enables charges to be altered and displayed at individual consumer locations

Patent Assignee: KARLSSON B G E (KARL-I)

Inventor: JONSSON I; KARLSSON B G

Number of Countries: 012 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8100619	A	19810305				198112 B
SE 7906983	A	19810323				198115
EP 35025	A	19810909	EP 80901671	A	19800820	198138
JP 56501068	W	19810730				198151
US 4442492	A	19840410	US 81255240	A	19810417	198417
EP 35025	B	19860122				198604
DE 3071365	G	19860306				198611

Priority Applications (No Type Date): SE 796983 A 19790821

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8100619 A E

Designated States (National): AT CH DE DK GB JP NL

Designated States (Regional): AT CH DE FR GB NL NO US

EP 35025 A E

Designated States (Regional): AT CH DE FR GB LI NL

EP 35025 B E

Designated States (Regional): AT CH DE FR GB LI NL

...Abstract (Basic): a central unit receiving information from one or more addressable consumer locations each comprising a **sensor** (17, 18, 19) for each form of consumption, connected to the store of a microcomputer (13). The central unit is arranged to automatically perform alteration of **charges** at the **consumer** locations by means of control signals, the consumer locations being provided with at least one...

...Abstract (Equivalent): and second control signals comprising an address code for addressing the or each consumer location; **sensor** means (17, 18, 19) for measuring consumption of the or each meterable quantity at the...

...for accumulating data representing the amount of the or each meterable quantity measured at said **sensor** means (17, 18, 19); means responsive to reception of the second control signal at said...

37/3,K/59 (Item 50 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

001709106

WPI Acc No: 1977-E5594Y/197722

Optoelectronically stabilized DC power supply - uses LED diode and photothyristor switch, thyristor switch and overload sensor

Patent Assignee: LEVINZON S V (LEVI-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 515102	A	19760930			197722	B

Priority Applications (No Type Date): SU 2008399 A 19740326

... uses LED diode and photothyristor switch, thyristor switch and overload sensor

...Abstract (Basic): D.C. power supply comprises regulator (1), overload **sensor** (2), optoelectronic key switch (3) and actuator (4) in series with load (9). The optoelectronic...

...condition is in passive state while thyristor (4) supplies regulator (1) and load (9) and **charges** capacitor (5) to the **consumer** voltage level...

...In emergency, the optoelectronic switch (3) and overload **sensor** (2) generate a signal which connects capacitor (8) to thyristor (4) which blocks and disconnects...

44/3,K/1 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2003 BLDSC all rts. reserv. All rts. reserv.

03446737 INSIDE CONFERENCE ITEM ID: CN036362455  
Matching Customer Application Requirements with Cost Effective Sensor  
Packaging and Testing  
Vaganov, V.; Joseph, H.; Terry, S.  
CONFERENCE: Sensors Expo-Meeting  
SENSORS EXPO, 1997 P: 181-190.  
Peterborough, NH, Fairfield, CT, Helmers Publishing, Expocon, 1997  
LANGUAGE: English DOCUMENT TYPE: Conference Papers and presentations  
CONFERENCE LOCATION: Boston, MA  
CONFERENCE DATE: May 1997 (199705) (199705)  
NOTE:  
See also 8241.7845 vol 14 no 3 for program and abstracts

Matching Customer Application Requirements with Cost Effective Sensor  
Packaging and Testing

44/3,K/2 (Item 2 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2003 BLDSC all rts. reserv. All rts. reserv.

02216654 INSIDE CONFERENCE ITEM ID: CN023225509  
Matching Customer Application Requirements with Cost Effective Sensor  
Packaging  
Joseph, H.; Vaganov, V.  
CONFERENCE: Test and measurement: ISTM/97-International symposium; 2nd  
INTERNATIONAL SYMPOSIUM ON TEST AND MEASUREMENT, 1997; 2nd P: 385-391  
International Academic Publishers, 1997  
ISBN: 7800033910  
LANGUAGE: English DOCUMENT TYPE: Conference Papers  
CONFERENCE EDITOR(S): Wen, T. D.  
CONFERENCE LOCATION: Beijing  
CONFERENCE DATE: Jun 1997 (199706) (199706)

Matching Customer Application Requirements with Cost Effective Sensor  
Packaging

44/3,K/3 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7763152 INSPEC Abstract Number: B2003-11-6135C-346, C2003-11-5260B-387  
Title: An adaptive global enhancement pipeline for low cost imaging  
sensors  
Author(s): Battiato, S.; Castorina, A.; Guamera, M.; Vivirito, P.  
Conference Title: 2003 Digest of Technical Papers. International  
Conference on Consumer Electronics (Cat. No.03CH37416) p.398-9  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2003 Country of Publication: USA 419 pp.  
ISBN: 0 7803 7721 4 Material Identity Number: XX-2003-02406  
U.S. Copyright Clearance Center Code: 0-7803-7721-4/03/\$17.00  
Conference Title: 2003 Digest of Technical Papers. International  
Conference on Consumer Electronics  
Conference Sponsor: Consumer Electron. Soc  
Conference Date: 17-19 June 2003 Conference Location: Los Angeles, CA,  
USA  
Language: English  
Subfile: B C  
Copyright 2003, IEE

...Abstract: describes a suitable pipeline algorithm that is able to

enhance the picture quality of low **cost** imaging **sensors**, typically present in **consumer** devices (i.e. mobile phone, Web-cams, PDA, etc.) and accounts for compression artifacts, chromatic...

44/3,K/4 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7761970 INSPEC Abstract Number: C2003-11-3390C-077

**Title:** Creating a low-cost autonomous vehicle

Author(s): Wall, R.W.; Bennett, J.; Eis, G.

Author Affiliation: Idaho Univ., Moscow, ID, USA

Conference Title: IECON - 2002. 2002 28th Annual Conference of the IEEE Industrial Electronics Society (Cat. No.02CH37363) Part vol.4 p. 3112-16 vol.4

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2002 Country of Publication: USA 4 vol. (xlii+vi+3433) pp.

ISBN: 0 7803 7474 6 Material Identity Number: XX-2003-00302

U.S. Copyright Clearance Center Code: 0-7803-7474-6/02/\$17.00

Conference Title: 28th Annual Conference of the IEEE Industrial Electronics Society

Conference Sponsor: IEEE; ice; SICE; Univ. Sevilla

Conference Date: 5-8 Nov. 2002 Conference Location: Sevilla, Spain

Language: English

Subfile: C

Copyright 2003, IEE

...Abstract: challenges in developing low risk autonomous vehicles is keeping the cost down. Leveraging from low **cost** instrumentation developed for high volume **consumer** applications, inexpensive microcontrollers, ultrasonic **sensors** and a global positioning systems result in a low-cost autonomous vehicle that will navigate...

44/3,K/5 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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7744618

**Title:** J.D. Edwards

Journal: Conspectus p.17

Publisher: Prime Marketing Publications,

Publication Date: March 2003 Country of Publication: UK

CODEN: CONSF8 ISSN: 1351-0908

Material Identity Number: E394-2003-003

Language: English

Subfile: D

Copyright 2003, IEE

...Abstract: resource planning (ERP), supply chain management (SCM) or CRM. The aim is to improve business **processes** using integrated value - adding applications, thus helping organisations to manage **costs** and margins and enhance **customer** satisfaction.

44/3,K/6 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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7740845 INSPEC Abstract Number: B2003-11-2575-002

**Title:** MEMS impact on electronics

Author(s): Carrillo, D.; Robinson, K.

Journal: Surface Mount Technology vol.17, no.5 p.42-6

Publisher: PennWell Publishing,

Publication Date: May 2003 Country of Publication: USA  
CODEN: SMTEEL ISSN: 0893-3588  
SICI: 0893-3588(200305)17:5L.42:MIE;1-H  
Material Identity Number: N547-2003-006  
Language: English  
Subfile: B  
Copyright 2003, IEE

Abstract: MEMS is expected to revolutionize the **sensor** industry as well as industrial and **consumer** products by combining low- **cost** silicon-based microelectronics with micromachining technology.

44/3,K/7 (Item 5 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7707089 INSPEC Abstract Number: B2003-09-7230-040  
**Title: The impact of photovoltaic technology [on wireless sensors]**  
Author(s): Wormser, P.M.  
Author Affiliation: Konarka Technol., Inc., Andover, MA, USA  
Journal: Sensors vol.20, no.3 p.14-19  
Publisher: Advanstar Communications,  
Publication Date: March 2003 Country of Publication: USA  
CODEN: SNSRES ISSN: 0746-9462  
SICI: 0746-9462(200303)20:3L.14:IPTW;1-0  
Material Identity Number: P585-2003-003  
Language: English  
Subfile: B  
Copyright 2003, IEE

...Abstract: manufacturer sells a higher priced product, and the customer enjoys lower installation cost and total **cost** of ownership. The **customers** ' benefits from truly wireless **sensors** cannot be overstated. The author looks at the three types of PV technology available today...

44/3,K/8 (Item 6 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7428177 INSPEC Abstract Number: A2002-23-4283-019, B2002-12-4145-005  
**Title: Micro-optics: enabling technology for telecommunication and sensors**  
Author(s): Wallrabe, U.; Dittrich, H.; Hollenbach, U.; Krippner, P.;  
Last, A.; Mohr, J.; Ruzzu, A.; Zissler, W.; Oka, T.  
Journal: Nachrichten Forschungszentrum Karlsruhe vol.34, no.2-3 p.  
153-9  
Publisher: Forschungszentrum Karlsruhe,  
Publication Date: 2002 Country of Publication: Germany  
CODEN: NFKAFV ISSN: 0948-0919  
SICI: 0948-0919(2002)34:2/3L.153:MOET;1-8  
Material Identity Number: G488-2002-003  
Language: German  
Subfile: A B  
Copyright 2002, IEE

Abstract: As optical telecommunication and micro optical **sensors** enter the **consumer** market a **cost** effective fabrication becomes more and more important. With on-going miniaturization and higher integration the...

44/3,K/9 (Item 7 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7044984 INSPEC Abstract Number: B2001-11-2575F-002

**Title:** Packaging of microsystems for harsh environments  
**Author(s):** Sparks, D.R.  
**Author Affiliation:** ISSYS Inc., Ypsilanti, MI, USA  
**Journal:** IEEE Instrumentation & Measurement Magazine      vol.4, no.3      p.  
30-3  
**Publisher:** IEEE,  
**Publication Date:** Sept. 2001   **Country of Publication:** USA  
**CODEN:** IIMMF9   **ISSN:** 1094-6969 /  
**SICI:** 1094-6969(200109)4:3L.30:PMHE;1-X  
**Material Identity Number:** G261-2001-003  
**U.S. Copyright Clearance Center Code:** 1094-6969/2001/\$10.00  
**Language:** English  
**Subfile:** B  
**Copyright:** 2001, IEE

...Abstract: to find later that the device is difficult or expensive to package suitably in a **consumer** or automotive environment. The **cost** of materials, processing, and manufacturing make the **sensor** or actuator device impractical for some applications. A successful MEMS device manages the proper balance...

44/3,K/10      (Item 8 from file: 2)  
DIALOG(R)File   2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6668015      INSPEC Abstract Number: C2000-09-3240-005  
**Title:** Micromachined inertial sensors: the state of the art and a look into the future  
**Author(s):** Kraft, M.  
**Author Affiliation:** Dept. of Electron. & Comput. Sci., Southampton Univ., UK  
**Journal:** Measurement and Control      vol.33, no.6      p.164-8  
**Publisher:** Inst. Meas. Control,  
**Publication Date:** July 2000   **Country of Publication:** UK  
**CODEN:** MEACBX   **ISSN:** 0020-2940  
**SICI:** 0020-2940(200007)33:6L.164:MISS;1-Z  
**Material Identity Number:** M037-2000-006  
**Language:** English  
**Subfile:** C  
**Copyright:** 2000, IEE

...Abstract: of little concern. The emergence of micromachining has generated the possibility of producing precision inertial **sensors** at a price which allows their use in **cost** -sensitive **consumer** applications. A variety of such applications already exists, mainly in the automotive industry for safety...

44/3,K/11      (Item 9 from file: 2)  
DIALOG(R)File   2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6401128      INSPEC Abstract Number: B1999-12-7230L-028  
**Title:** New silicon-based metal-oxide chemical sensors  
**Author(s):** Trautweiler, S.; Mosier, N.; Zdankiewicz, E.  
**Author Affiliation:** Microchem. Syst. Inc., Corcelles, Switzerland  
**Journal:** Sensors      vol.16, no.9, pt.1      p.109-13  
**Publisher:** Advanstar Communications,  
**Publication Date:** Sept. 1999   **Country of Publication:** USA  
**CODEN:** SNSRES   **ISSN:** 0746-9462  
**SICI:** 0746-9462(199909)16:9:1L.109:SBMO;1-H  
**Material Identity Number:** P585-1999-009  
**Language:** English  
**Subfile:** B  
**Copyright:** 1999, IEE

...Abstract: chemical sensors with control algorithms, electronic circuit elements, and gas sample conditioning elements. New chemical sensors will need to be micromachined to provide customers with cost-effective turnkey measurements. Silicon-based metal-oxide chemical sensors are a first step. In fact, when fabricated using standard semiconductor manufacturing and micromachining techniques...

44/3,K/12 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5311820 INSPEC Abstract Number: A9616-8770E-001, B9608-7510B-136, C9608-3385-019

Title: A fiber-optic medical pressure-sensing system employing intelligent self-calibration

Author(s): Gang He

Author Affiliation: BARD FiberOptic Technol. Inc., Ann Arbor, MI, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2594 p.218-26

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1996 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1996)2594L.218:FOMP;1-S

Material Identity Number: C574-96047

U.S. Copyright Clearance Center Code: 0 8194 1958 3/96/\$6.00

Conference Title: Self-Calibrated Intelligent Optical Sensors and Systems

Conference Sponsor: SPIE

Conference Date: 25-26 Oct. 1995 Conference Location: Philadelphia, PA, USA

Language: English

Subfile: A B C

Copyright 1996, IEE

...Abstract: system. In particular, the incorporation of an intelligent on-site self-calibration approach allows limited sensor reuses for reducing end - user costs and for system adaptation to wide sensor variabilities associated with low-cost manufacturing processes. We demonstrate that fiber-optic sensors can be...

44/3,K/13 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5131839 INSPEC Abstract Number: B9601-7230G-029

Title: A 256\*256 CMOS active pixel image sensor with motion detection

Author(s): Dickinson, A.; Ackland, B.; Eid, E.-S.; Inglis, D.; Fossum, E.R.

Author Affiliation: AT&T Bell Labs., Holmdel, NJ, USA

Conference Title: 1995 IEEE International Solid-State Circuits Conference. Digest of Technical Papers. ISSCC (Cat. No.95CH35753) p. 226-7

Editor(s): Wuorinen, J.H.

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA 440 pp.

ISBN: 0 7803 2495 1

U.S. Copyright Clearance Center Code: 0 7803 2495 1/95/\$4.00

Conference Title: Proceedings ISSCC '95 - International Solid-State Circuits Conference

Conference Date: 15-17 Feb. 1995 Conference Location: San Francisco, CA, USA

Language: English

Subfile: B

Copyright 1995, IEE

Abstract: This 256\*256 active pixel **sensor** (APS) is designed for consumer multimedia applications requiring low-**cost**, high-functionality, compact cameras capable of acquiring high-quality images at video frame rates. This...

44/3,K/14 (Item 12 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5028997 INSPEC Abstract Number: C9510-5610P-003

Title: **Sensor bus cost of ownership investigation (Semiconductor process control)**

Author(s): Gyurcsik, R.S.

Author Affiliation: Dept. of Electr. & Comput. Eng., North Carolina State Univ., Raleigh, NC, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2336 p.145-8

Publication Date: 1994 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

U.S. Copyright Clearance Center Code: 0 8194 1669 X/94/\$6.00

Conference Title: Manufacturing Process Control for Microelectronic Devices and Circuits

Conference Sponsor: SPIE

Conference Date: 20-21 Oct. 1994 Conference Location: Austin, TX, USA

Language: English

Subfile: C

Copyright 1995, IEE

...Abstract: and reliable system with minimal development cost by the equipment supplier and with reduced effective **cost** to the equipment **purchaser**. The use of a **sensor** bus can only be justified if it provides a cost benefit to the integrated circuit...

44/3,K/15 (Item 13 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

04303764 INSPEC Abstract Number: B9301-6330-064, C9301-7410F-093

Title: **A low cost vehicle location and tracking system**

Author(s): Brown, A.

Conference Title: IEEE PLANS '92. Position Location and Navigation Symposium. Record. 500 Years After Columbus - Navigation Challenges of Tomorrow (Cat. No.92CH3085-8) p.516-23

Publisher: IEEE, New York, NY, USA

Publication Date: 1992 Country of Publication: USA 565 pp.

ISBN: 0 7803 0468 3

U.S. Copyright Clearance Center Code: 0 7803 0468 3/92\$03.00

Conference Sponsor: IEEE

Conference Date: 23-27 March 1992 Conference Location: Monterey, CA, USA

Language: English

Subfile: B C

...Abstract: urban environment. The vehicle location is computed and displayed on a PC workstation at the **customer**'s dispatch facility. The low **cost** of the TIDGET **sensor** combined with the performance of the PC-based workstation provides a highly accurate yet inexpensive...

44/3,K/16 (Item 14 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03171939 INSPEC Abstract Number: B88049303, C88038668  
**Title: Thin-film platinum for appliance temperature control**  
Author(s): Clayton, W.A.  
Author Affiliation: Hy-Cal Eng., El-Monte, CA, USA  
Journal: IEEE Transactions on Industry Applications vol.24, no.2 p.  
332-6  
Publication Date: March-April 1988 Country of Publication: USA  
CODEN: ITIACR ISSN: 0093-9994  
U.S. Copyright Clearance Center, Code: 0093-9994/88/0300-0332\$01.00  
Language: English  
Subfile: B C

Abstract: The accuracy and long-term stability of platinum resistance temperature sensors is now available through thin-film technology at low cost for consumer-appliance applications. The underlying technology and methods of assembly are reviewed, along with the favorable...

44/3,K/17 (Item 15 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03047703 INSPEC Abstract Number: B88004481, C88006281  
**Title: A comparison of XY, interline and frame transfer image sensors**  
Author(s): Collet, M.G.  
Author Affiliation: Philips Res. Labs., Eindhoven, Netherlands  
Conference Title: Proceedings of the International Topical Meeting on Image Detection and Quality p.7-8  
Publisher: SPIE, Bellingham, WA, USA  
Publication Date: 1986 Country of Publication: USA vii+394 pp.  
ISBN: 2 900195 09 8  
Conference Sponsor: IAU; Int. Comm. Opt.; Soc. Francaise Phys.; Eur. Phys. Soc.; et al  
Conference Date: 16-18 July 1986 Conference Location: Paris, France  
Language: English  
Subfile: B C

Abstract: Summary form only given. Deals with two-dimensional, visible-light sensing arrays for consumer applications. Consumer applications require low cost and high quality colour images at low light levels. Sensors developed for this purpose often find application in industrial fields such as machine vision and...

44/3,K/18 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003, EBSCO Pub. All rts. reserv.

00240771 91IN05-204  
**Farmers sows new ground, Insurer institutes five-year business reengineering effort**  
Bartholomew, Doug  
InformationWEEK, May 20, 1991, n321 p64, 1 Pages  
ISSN: 8750-6874

... very high customer complaints in both its home owners and auto categories, better service to customers is one objective. Notes that cost reduction will be achieved by simplifying the business processes and shedding the non-value-added activities across the country. Includes a graph of complaints against the company compared to the industry average. (jb)

44/3,K/19 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management

01016442 E96087786048

**A fiber-optic medical pressure-sensing system employing intelligent self-calibration**

(Ein faseroptisches medizinisches Druckmesssystem mit intelligenter Selbstkalibrierung)

He, G

BARD FiberOptic Technol., Ann Arbor, USA

Self-Calibrated Intelligent Optical Sensors and Syst., Philadelphia, USA,

Oct 25-26, 19951996

Document type: Conference paper Language: English

Record type: Abstract

**ABSTRACT:**

...system. In particular, the incorporation of an intelligent on-site self-calibration approach allows limited **sensor** reuses for reducing **end - user costs** and for system adaptation to wider **sensor** variabilities associated with low-cost manufacturing processes. They demonstrate that fiber-optic sensors can be...

44/3,K/20 (Item 2 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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00949443 E96016166006

**A 256x256 CMOS active pixel image sensor with motion detection**

(Ein aktiver 256x256-Pixel-CMOS-Bildsensor mit Bewegungserkennung)

Dickinson, A; Ackland, B; Eid, E-S; Inglis, D; Fossum, ER

AT&T Bell Lab., Holmdel, USA; Jet Propulsion Lab., Pasadena, USA

42nd ISSCC, 1995 IEEE Internat. Solid-State Circuits Conf., Digest of Tech.

Papers, San Francisco, USA, Feb 15-17, 19951995

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-2496-X

**ABSTRACT:**

This 256x256 active pixel **sensor** (APS) is designed for **consumer** multimedia applications requiring **low- cost**, high-functionality, compact cameras capable of acquiring high-quality images at video frame rates. This

45/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011345942 \*\*Image available\*\*

WPI Acc No: 1997-323847/199730

XRPX Acc No: N97-267991

Anti fuse type **FPGA** verification method - involves performing delay simulation, based on each recomputed signal path delay value after measuring antifuse **ON** resistance and resetting circuit constant

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9127201	A	19970516	JP 95282936	A	19951031	199730 B

Priority Applications (No Type Date): JP 95282936 A 19951031

Patent Details:

Patent No	Kind	Lan	Pg.	Main IPC	Filing Notes
JP 9127201	A		5		

...Abstract (Basic): at the circuit constant is reset after programming of the **FPGA**. Each signal path delay **value** is recomputed after the **measurement process** is performed. Delay simulation is performed again based on each recomputed signal path delay value...

...Shortens development period. Does not require expensive high speed function tester, thus reduces development investment **cost** of **customer**.

45/3,K/2 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00637008 01BL07-006

Web-based systems help CRM penetrate mid-market -- New technology reduces service costs associated with CRM ( customer relationship management) installations and opens up the...

Gammon, Ralph

Business Solutions , July 1, 2001 , v16 n9 p120, 1 Page(s)

ISSN: 1521-7027

Web-based systems help CRM penetrate mid-market -- New technology reduces service costs associated with CRM ( customer relationship management) installations and opens up the.....

...businesses. Discusses the introduction of Web-based, thin-client, CRM systems that lower the total **cost** of ownership for **end users**.

Includes two photos. (NAR)

Descriptors: Customer Relations Management; Value Added Reseller; Sales; Task Automation; Customer Service

45/3,K/3 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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2439643 H.W. WILSON RECORD NUMBER: BAST02103147

Penn State's commitment to quality improvement

Everett, Carol Lindborg;

Quality Progress v. 35 no1 (Jan. 2002) p. 44-8

DOCUMENT TYPE: Feature Article ISSN: 0033-524X

ABSTRACT: The annual Quality Expo has helped Penn State University reduce costs and increase **customer** satisfaction. Over the last 9 years, the expo planning team has used the following to **measure** improvement in its

processes : visitor and exhibitor evaluation, number of teams exhibiting, first-time exhibitors, expo visitors, exhibitors from various Penn State units and...

45/3,K/4 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01780024 20030801926  
Wettbewerbsvorteile durch intelligente Auftrags- und Einsatzsteuerung im  
EVU-Netz. Workforce Management (WFM) - Teil 2: Die Wirkung im  
Wertschöpfungsprozess  
Wehl, Evon der  
Netzpraxis - np, v42, n7/8, pp12-20, 2003  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 1611-0412

DESCRIPTORS: ELECTRIC POWER UTILITY COMPANIES; ELECTRIC MAINS; COMPETITION;  
VALUE ADDED MANAGEMENT; SEQUENCE OF OPERATIONS ; PRODUCTIVITY; RESULT;  
BUSINESS ADMINISTRATION; EMPLOYEES; COST REDUCTION; CUSTOMER SERVICE;  
PROCESS ANALYSIS; PROCESS OPTIMISATION; AUTOMATIC SEQUENCING; MEASURES;  
COORDINATION

45/3,K/5 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01731618 20030306053  
Produktion im Spannungsfeld von Kundenbedürfnissen und Kostenanforderungen  
- das demand-gesteuerte Unternehmen  
(Production between customer and cost demands - the demand-controlled  
enterprise)  
Pesch, W  
Weidmueller Interface, Detmold, D  
Unternehmenserfolg in Netzwerken, 28. Deutsche  
Industrial-Engineering-Fachtagung 2002, REFA Bundesverband (REFA-AKIE),  
Heidelberg, D, 27.-29. Nov, 20022002  
Document type: Book chapter; 06 Conference paper Language: German  
Record type: Abstract

(Production between customer and cost demands - the demand-controlled  
enterprise)

DESCRIPTORS: INFORMATION FLOW; MATERIALS REQUIREMENTS PLANNING; MATERIAL  
FLOW; PRODUCTION LINE ORGANIZATION; PROCESS MODEL; PROCESS OPTIMISATION;  
BUSINESS MANAGEMENT; BUSINESS ORGANIZATION; VALUE ADDED MANAGEMENT;  
TARGET GROUP